User Guide

19" LCD TV/DVD Combo

INSIGNIA™

NS-19LD120A13

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CHILD SAFETY

It makes a difference how and where you use your flat panel display

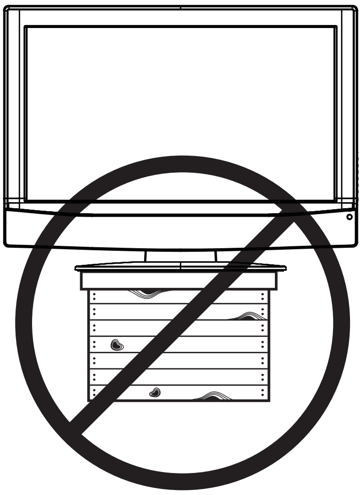
As you enjoy your new product, keep these safety tips in mind

The issue

The home theater entertainment experience is a growing trend, and larger TVs are popular purchases. However, TVs are not always supported on the proper stands or installed according to the manufacturer's recommendations. We and the consumer electronics industry are committed to making home entertainment enjoyable and safe.

TVs that are inappropriately placed on dressers, bookcases, shelves, desks, speakers, chests, or carts may fall over and cause injury.

Tune into safety



- One size of TV stand does **not** fit all. Use only a TV stand rated for the weight of your TV.
- Carefully read and understand all enclosed instructions for proper use of this product.
- Don't let children climb on or play with entertainment system furniture and TVs.
- Don't place TVs on furniture that can easily be used as steps, such as a crate or chest of drawers.
- Remember that children can become excited while watching a program, especially on a "larger-than-life" TV. Make sure that you place or install the TV where it cannot be pushed, pulled over, or knocked down.
- Make sure that you route all cords and cables so that they cannot be pulled or grabbed by curious children.

Wall mounting

If you decide to wall mount your TV, always remember:

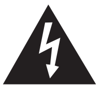
- One size of wall mount does **not** fit all. Use only a wall mount rated for the weight of your TV and that has been recommended by this TV manufacturer, listed in this manual, or otherwise listed by an independent laboratory as suitable for your TV.
- Follow all instructions supplied by the TV and wall mount manufacturers.
- If you have any doubts about your ability to safely wall mount your TV, get help from a professional installer.
- Make sure that the wall where you are mounting the TV is appropriate. Some wall mounts are not designed to be mounted to walls backed with steel studs or cinder blocks. If you are unsure, ask a professional installer.

TVs can be heavy. At least two people are required for safe wall mount installation.

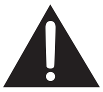
CEA® Consumer Electronics Association

Important Safety Instructions

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

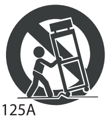


This symbol indicates that dangerous voltage constituting a risk of electric shock is present within your TV/DVD combo. This label is located on the back of your TV/DVD combo.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying your TV/DVD combo.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



S3125A

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. The *wall plug* is the disconnecting device. The plug must remain readily operable.
16. An apparatus with three-prong, grounding-type plug is a Class I apparatus which needs to be grounded to prevent possible electric shock. Make sure that you connect the Class I apparatus to a grounding-type, three-prong outlet.
17. Remote control batteries should not be exposed to excessive heat such as sunshine, fire, or the like.
18. The apparatus should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on the apparatus.

WARNING

Electric shock hazard

To reduce the risk of fire or electric shock, do not remove any cover or expose the device to rain or moisture. No user-serviceable parts are inside. Refer servicing to qualified service technicians.

Lightning

For added protection for your device receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the power outlet and disconnect any antenna or cable system. This helps prevent property damage and personal injury from lightning and power line surges.

Power lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

Handling the LCD panel

- Your TV/DVD combo’s screen is made of glass. Do not drop your TV/DVD combo or hit, jolt, or press hard against the LCD panel. If the screen breaks, be careful of broken glass.
- If the LCD panel is broken, make absolutely sure that you do not touch the liquid in the panel. This may cause skin inflammation.
- If the liquid gets in your mouth, immediately gargle, rinse, and consult with your doctor. Also, if the liquid gets in your eyes or touches your skin, consult with your doctor after rinsing for at least 15 minutes or longer in clean water.

Replacement parts

When replacement parts are required, make sure that the service technician uses replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, personal injury, or other hazards.

Safety check

After completing any service or repair to this device, ask the service technician to perform routine safety checks to determine that your TV/DVD combo is in correct operating condition.

Power source

Operate your TV/DVD combo only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult an electrician or your local power company.

Servicing

These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

CAUTION

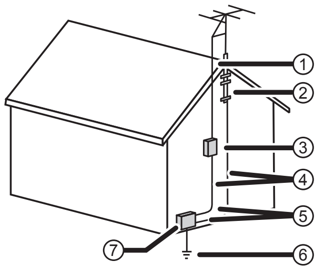
Damage requiring service

Unplug this TV/DVD combo from the power outlet and refer servicing to qualified service personnel under the following conditions:

- When the power supply cord or plug is damaged or frayed.
- If liquid has been spilled or objects have fallen into your TV/DVD combo.
- If your TV/DVD combo has been exposed to rain or water.
- If your TV/DVD combo does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions because incorrect adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore your TV/DVD combo to its normal operation.
- If your TV/DVD combo has been dropped or damaged in any way.
- When your TV/DVD combo exhibits a distinct change in performance.

Outdoor antenna grounding

If an outside antenna or cable system is connected to your TV/DVD combo, make sure that the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to correct grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of the antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.



①	Antenna lead-in wire
②	Grounding clamp
③	Antenna discharge unit
④	Grounding conductors
⑤	Ground clamps
⑥	Power service grounding electrode system
⑦	Electric service equipment

Note to CATV system installer

Article 820 of the National Electrical Code, ANSI/NFPA No. 40 provides guidance for correct grounding. Specifically, it states that the cable ground must be connected to the grounding system of the building as close to the point of cable entry as practical.

Condensation

Moisture will form on the TV/DVD combo if the TV/DVD combo is brought from cool surroundings into a warm room or if the temperature of the room rises suddenly. When this happens, the TV/DVD combo's performance may be impaired. To prevent this, let the TV/DVD combo stand in its new surroundings for about an hour before switching it on, or make sure that the room temperature rises gradually.

Condensation may also form during the summer if the TV/DVD combo is exposed to the breeze from an air conditioner. In such cases, change the location of the TV/DVD combo.

Mobile telephone warning

To avoid interference with your TV picture and sound, operating problems, or even damage, keep your cordless and cellular telephones away from the TV/DVD combo.

End of life directives

Your TV/DVD combo contains tin-lead solder and a fluorescent lamp containing a small amount of mercury. Disposal of these materials may be regulated for environmental reasons. Your TV/DVD combo also contains material that can be recycled and reused. For disposal or recycling information, contact your local authorities to find a recycler in your area.

Non-active pixels

The LCD panel contains almost 3 million thin film transistors, which provide exceptionally sharp video quality. Occasionally, a few non-active pixels may appear on the screen as a fixed blue, green, or red point. These non-active pixels do not adversely affect the performance of your TV/DVD combo, and are not considered defects.

Insignia 19" LCD TV/DVD Combo

Introduction

Congratulations on your purchase of a high-quality Insignia product. Your NS-19LD120A13 represents the state of the art in LCD TV/DVD combo design and is designed for reliable and trouble-free performance.

Installing the stand or wall-mount bracket

Notes

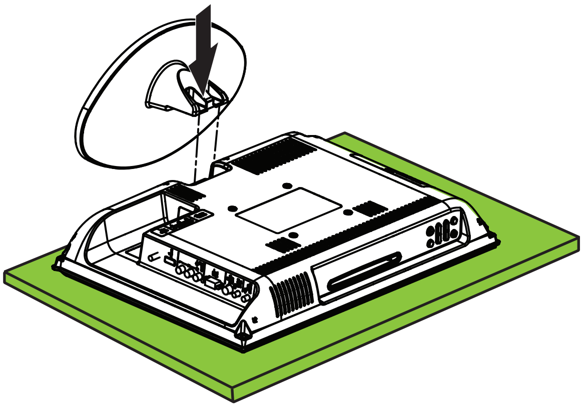
- If you plan to wall-mount your TV/DVD combo, do not install the stand.
- Store the stand and stand screws in case you decide to use the stand in the future.

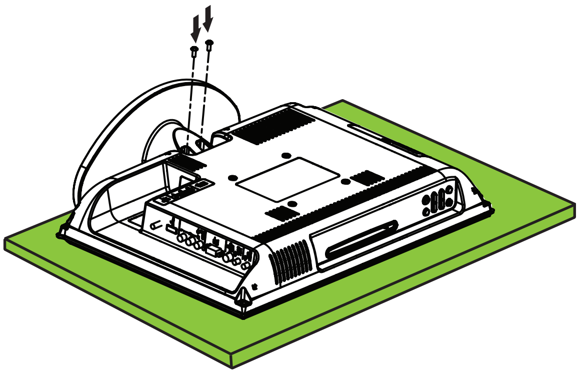
Installing the stand

To install the stand:

1. Carefully place your TV screen face-down on a cushioned, clean surface to protect the screen from damages and scratches.
2. Secure the stand to the screen with the two provided screws.

Screw type	Screw length	# of screws
M4	18 mm	2





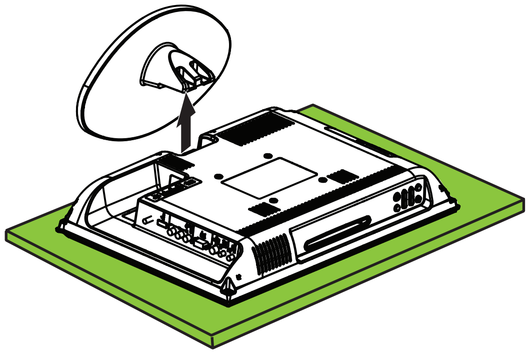
Installing a wall-mount bracket

Warning

This TV/DVD combo is intended to be supported by a UL Listed wall mount bracket with suitable weight/load. (See “Miscellaneous” on page 46.)

To attach your TV/DVD combo to a wall-mount bracket:

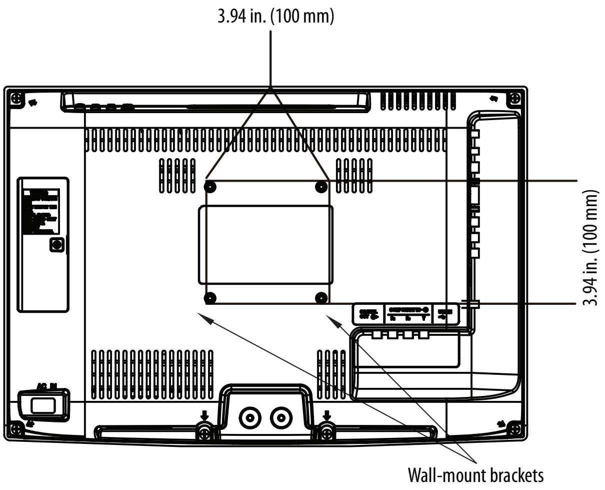
1. Carefully place your TV screen face-down on a cushioned, clean surface to protect the screen from damages and scratches.
2. If the stand is attached, remove the two screws that secure the stand to the TV screen, then remove the stand.



3. Attach the wall-mount bracket to your TV/DVD combo using the mounting holes on the back of your TV/DVD combo. See the instructions that came with the wall-mount bracket for information about how to correctly hang your TV/DVD combo.

Note

- The length of the wall-mount screws vary depending on the wall-mount bracket you purchased. See the instructions that came with the wall-mount bracket for screw lengths.
- The mounting holes on the back of your TV/DVD combo take type M4 screws.

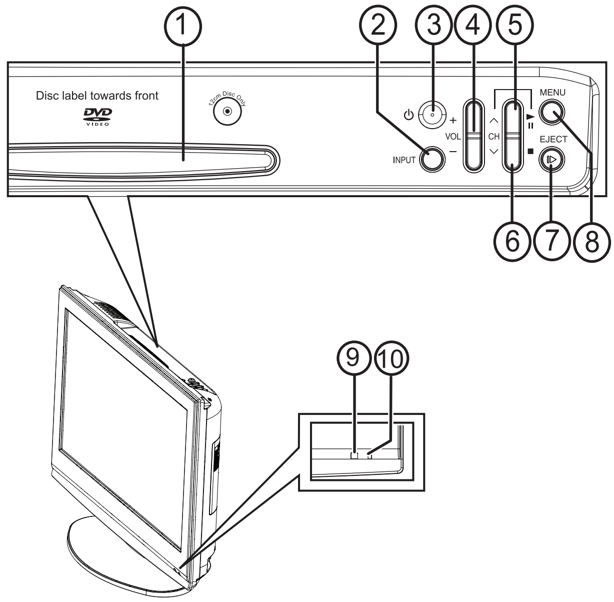


TV/DVD combo components

Package contents

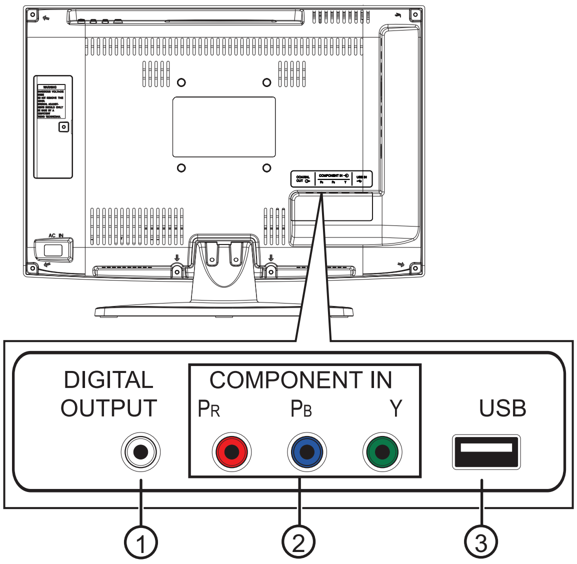
- Remote control and batteries (2 AAA)
- Stand and screws (2)
- Power cord
- *Quick Setup Guide*
- *Important Information*

Front



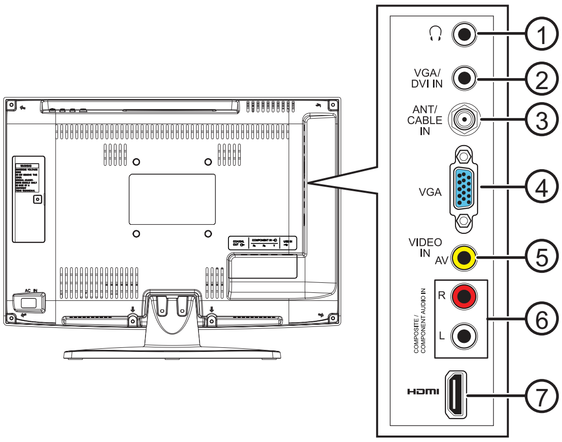
#	Item	Description
①	Disc slot	Insert a disc (DVD or CD) into this slot to change modes and begin playback.
②	INPUT	Press to open the *Input Source* list, press **CH** ∧ or **CH** ∨ to select a video input source, then wait a few seconds for the video input source to change. For more information, see "Selecting the video input source" on page 21. In menu mode, press to confirm selections.
③	⏻ (Power)	Press to turn your TV/DVD combo on or off (standby mode). When your TV/DVD combo is off, power still flows through it. To completely disconnect power, unplug the power cord.
④	VOL+/VOL–	Press to increase or decrease the volume.
⑤	▶❚❚ (play/pause)/ CH ∧	In TV mode, press to go to the next channel in the channel list. For more information, see "Selecting a channel" on page 22. In DVD mode, press to begin, pause, or resume playback.
⑥	■ (stop)/CH ∨	Press to go to the previous channel in the channel list. For more information, see "Selecting a channel" on page 22. In DVD mode, press to stop playback.
⑦	⏏/EJECT	Press to eject the disc from the disc slot.
⑧	MENU	Press to open the on-screen menu. For more information, see "Navigating the menus" on page 22.
⑨	Remote control sensor	Receives signals from the remote control. Do not block.
⑩	Power indicator	Turns off when your TV is turned on. Lights red when your TV is in standby mode.

Back



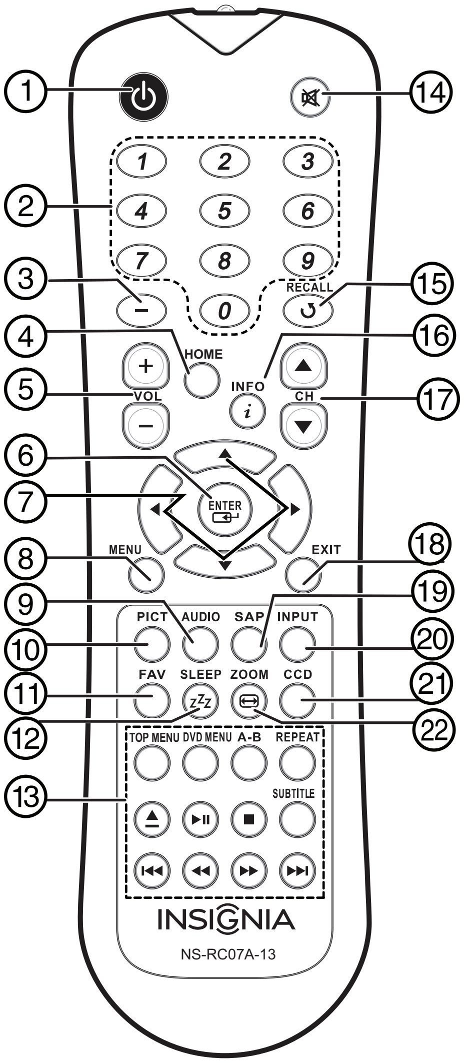
#	Item	Description
①	DIGITAL OUT	Connect a digital audio amplifier or home theater system to this jack to listen to TV audio through the amplifier speakers. For more information, see "Using digital audio" on page 17.
②	COMPONENT IN Y/PB/PR	Connect the video for a component video device to these jacks. For more information, see "Using component video (better)" on pages 10 or 13.
③	USB	Connect a USB flash drive to this jack to view compatible JPEG picture files. For more information, see "Connecting a USB flash drive" on page 16 and "Using a USB flash drive" on page 37.

Side



#	Item	Description
①	🎧	Connect headphones to this jack. For more information, see "Connecting headphones" on page 17.
②	VGA/DVI IN (audio)	Connect the audio for a computer to this jack. For more information, see "Connecting a computer" on page 15. OR Connect the audio for a DVI device to this jack. For more information, see "Using DVI (same as HDMI but requires a sound connection)" on page 10 or page 13.
③	ANT/CABLE IN	Connect an antenna or cable TV to this jack. For more information, see "Connecting an antenna or cable TV (no box)" on page 12.
④	VGA	Connect the video for a computer to this jack. For more information, see "Connecting a computer" on page 15.
⑤	VIDEO IN/AV	Connect the video for a composite video device to this jack. For more information, see "Using composite video (good)" on page 11 or 14, "Connecting a VCR" on page 14, or "Connecting a camcorder or game console" on page 15.
⑥	L/R (audio)	The component video jacks (**COMPONENT IN Y/PB/PR**) share these audio jacks with the composite video jack (**VIDEO IN/AV**). Connect the audio for a component video device to these jacks. For more information, see "Using component video (better)" on page 10 or 13. OR Connect the audio for a composite video device to these jacks. For more information, see "Using composite video (good)" on page 11 or 14, "Connecting a VCR" on page 14, or "Connecting a camcorder or game console" on page 15.
⑦	HDMI	Connect an HDMI device to this jack. For more information see "Using HDMI (best)" on page 9 or 12. OR Connect the video for a DVI device to this jack. For more information, see "Using DVI (same as HDMI but requires a sound connection)" on page 10 or 13.

Remote control



#	Button	Description
①	⏻ (power)	Press to turn your TV/DVD combo on or off (standby mode). When your TV/DVD combo is off, power still flows through it. To disconnect power, unplug the power cord.
②	Numbers	Press to enter channel numbers and the parental control password.
③	—	Press to enter a digital sub-channel number. For more information, see "Selecting a channel" on page 22.
④	HOME	In DVD mode, press to open the DVD setup menu. For more information, see "Changing DVD settings:" on page 40.
⑤	VOL+/–	Press to increase or decrease the volume.
⑥	ENTER/↵	Press to confirm selections or changes.
⑦	▲▼◀▶	Press to navigate in on-screen menus and to adjust settings.
⑧	MENU	Press to open the on-screen menu.
⑨	AUDIO	Press to select the sound mode. You can select **Standard**, **Theater**, **Music**, **News**, or **Custom**. For more information, see "Sound Mode" in "Adjusting sound settings" on page 25.
⑩	PICT	Press to select the picture mode. You can select **Vivid**, **Standard**, **Energy Savings**, **Theater**, or **Custom**. For more information, see "Picture Mode" in "Adjusting the TV picture" on page 23.
⑪	FAV	Press to open the *Favorite* channel list. For more information, see "Setting up a favorite channel list" on page 28 and "Viewing a favorite channel" on page 29.
⑫	SLEEP/zZz	Press to set the sleep timer. You can select **OFF**, **5**, **10**, **15**, **30**, **60**, **90**, **120**, **180**, or **240** minutes. For more information, see "Setting the sleep timer" on page 36.
⑬	DVD playback controls	Press **TOP MENU** to open a DVD top menu (title menu), if available. Press **DVD MENU** to open a DVD menu (root menu), if available. Press ⏏ (eject) to eject the disc from the disc slot. Press ▶❙❙ (play/pause) once to begin playback. Press again to pause playback. Press once again to resume playback. Press ⏮ (skip back) to skip back to the previous title or track on a DVD or CD. Press ◀◀ (fast reverse) to fast reverse on a DVD or CD. Press **REPEAT** to select the repeat mode on a DVD or CD. You can select **Chapter**, **Title**, or **All** for a DVD, or **Track** or **All** for a CD. Press **A-B** to create a playback loop for a disc. Press **SUBTITLE** to change the subtitle language. Press ■ (stop) to stop playback on a DVD or CD. Press ⏭ (skip forward) to skip forward to the next title or track on a DVD or CD. Press ▶▶ (fast forward) to fast forward on a DVD or CD. For more information, see "Using the DVD player" on page 40.
⑭	🔇 (mute)	Press to mute the sound. Press again to restore the sound.
⑮	RECALL/↺	In TV mode, press to return to the previous channel.
⑯	INFO/*i*	Press to display TV status information, such as the channel number, channel name (if available), or signal source. For more information, see "Viewing channel information" on page 22.
⑰	CH ▲/CH ▼	Press to change TV channels. For more information, see "Selecting a channel" on page 22.
⑱	EXIT	Press to close the on-screen menu.
⑲	SAP	In digital TV mode, press to select the audio track (language). In analog TV mode, press to select Stereo, Mono, or SAP. For more information, see "Adjusting sound settings" on page 25.
⑳	INPUT	Press to open the *Input Source* list, press ▲ or ▼ on the remote control to select the video input source, then press **ENTER/↵**. For more information, see "Selecting the video input source" on page 21.
㉑	CCD	Press to turn closed captioning on or off. You can select **CC Off**, **CC On**, or **CC On When Mute**. For more information, see "Turning closed captioning on or off" on page 33.
㉒	ZOOM/⇔	Press to change how the picture looks on the screen (aspect ratio). For more information, see "Aspect ratio options" on page 23.

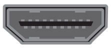
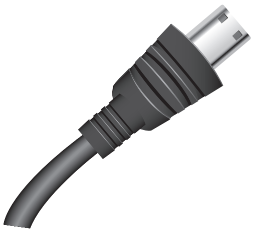
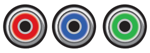
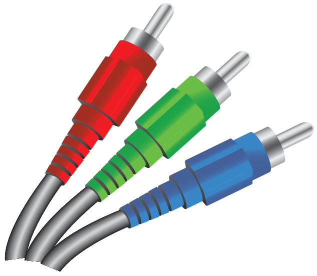
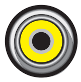
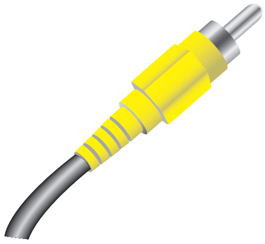
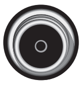
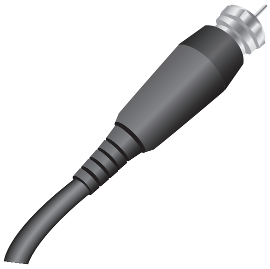
Making connections

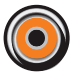
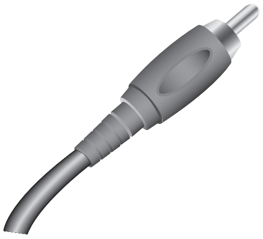
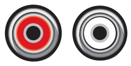
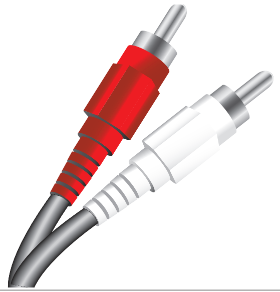
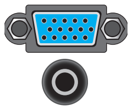
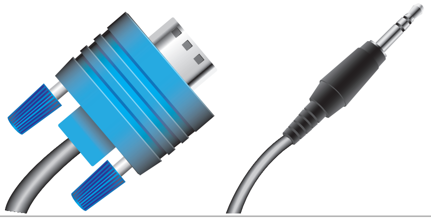
What connection should I use?

Your TV/DVD combo has several connection types for connecting devices to your TV/DVD combo.

For the best video quality, you should connect a device to the best available connection.

Use the following tables to identify cables:

Connection type and jack	Video quality	Cable connector
HDMI video/audio 	**Best (use this if your devices have HDMI)**	
Component video (requires an audio connection) 	**Better than composite or coaxial**	
Composite video (requires an audio connection) 	**Better than coaxial**	
Coaxial video/audio 	**Good**	

Connection type and jack	Cable connectors
Digital coaxial audio 	
Analog audio 	
VGA (computer) video and audio 	

You can use the **HDMI** jack on your TV/DVD combo to connect a DVI device to your TV/DVD combo. You need to attach an HDMI-to-DVI adapter to the end of the HDMI cable that connects to the DVI device.

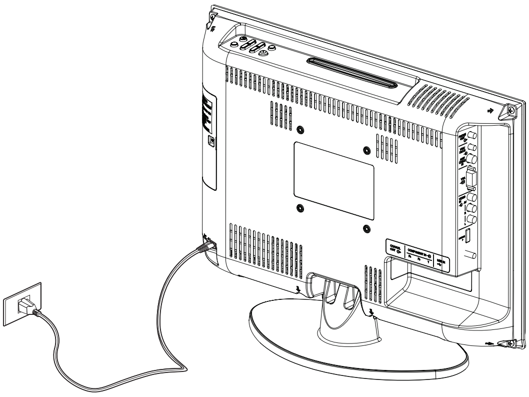
Cautions

- Check the jacks for position and type before making any connections.
- Loose connections can result in image or color problems. Make sure that all connections are tight and secure.
- The external audio/video equipment shown may be different from your equipment. If you have questions, refer to the documentation that came with your equipment.
- Always unplug the power cord when connecting external equipment.

Connecting power

To connect the power:

- Connect the AC power cord to the AC jack on the back of your TV/DVD combo, then connect the other end to a power outlet.



Cautions

- Your TV/DVD combo should only be operated from the power source indicated on the label.
- Always unplug the AC power cord from the power outlet when you will not be using your TV/DVD combo for an extended period of time.

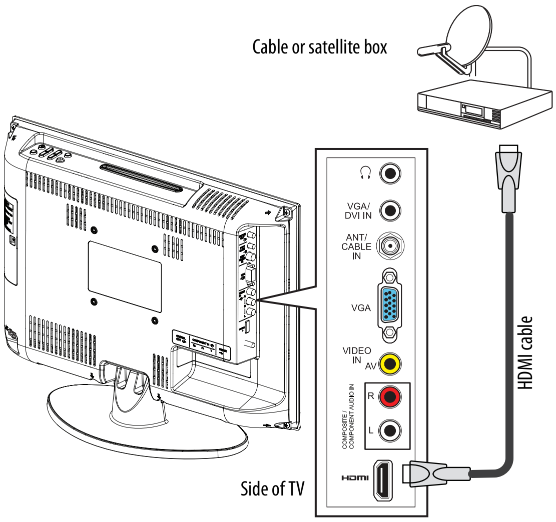
Connecting a cable or satellite box

Many cable or satellite TV boxes have more than one connection type. To get the best video, you should use the best connection type available. For more information, see "What connection should I use?" on page 8.

Using HDMI (best)

To connect a cable or satellite box using HDMI:

1. Make sure that your TV/DVD combo's power cord is unplugged, and all connected equipment is turned off.
2. Connect the incoming cable from the cable wall jack to the cable-in jack on the cable or satellite box.
3. Connect an HDMI cable (not provided) to the **HDMI** jack on the side of your TV/DVD combo and to the **HDMI OUT** jack on the cable or satellite box.



4. Plug your TV/DVD combo's power cord into a power outlet, turn on your TV/DVD combo, then turn on the cable or satellite box.
5. Go through the Setup Wizard on page 19.

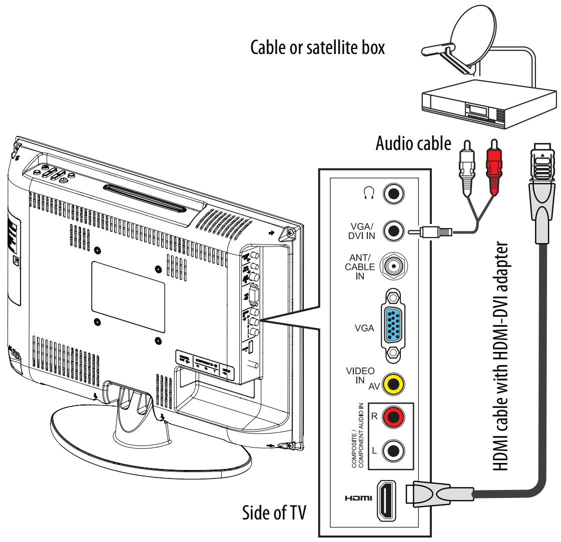
Note

An HDMI cable carries both audio and video. You do not need to use any audio cables.

Using DVI (same as HDMI but requires a sound connection)

To connect a cable or satellite box using DVI:

1. Make sure that your TV/DVD combo's power cord is unplugged, and all connected equipment is turned off.
2. Connect the incoming cable from the cable wall jack to the cable-in jack on the cable or satellite box.
3. Connect an HDMI-DVI adapter (not provided) to one end of an HDMI cable (not provided), then connect the adapter to the **DVI OUT** jack on the cable or satellite box.
4. Connect the other end of the cable to the **HDMI** jack on the side of your TV/DVD combo.


Cable or satellite box
Audio cable
HDMI cable with HDMI-DVI adapter
Side of TV
VGA/ DVI IN
ANT/ CABLE IN
VGA
VIDEO IN AV
R
L
COMPOSITE / COMPONENT AUDIO IN
HDMI

5. Connect a 3.5mm audio cable (not provided) to the **VGA/DVI IN** jack on the side of your TV/DVD combo and to the **AUDIO OUT** jacks on the cable or satellite box.

Note

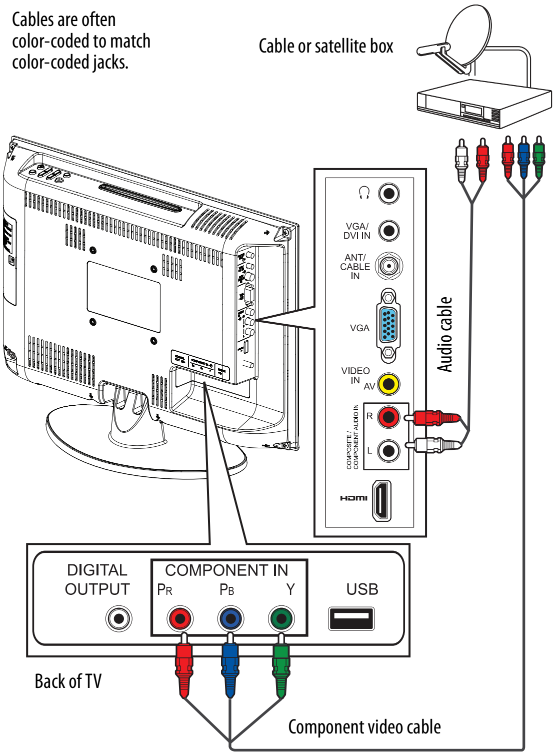
When you connect the audio using the **VGA/DVI IN** jack, the audio output is analog.

6. Plug your TV/DVD combo's power cord into a power outlet, turn on your TV/DVD combo, then turn on the cable or satellite box.
7. Go through the Setup Wizard on page 19.

Using component video (better)

To connect a cable or satellite box using component video:

1. Make sure that your TV/DVD combo's power cord is unplugged, and all connected equipment is turned off.
2. Connect the incoming cable from the cable wall jack to the cable-in jack on the cable or satellite box.
3. Connect a component video cable (not provided) to the **COMPONENT IN Y/PB/PR** video jacks on the back of your TV/DVD combo and the component video out jacks on the cable or satellite box.


Cables are often color-coded to match color-coded jacks.
Cable or satellite box
Audio cable
VGA/ DVI IN
ANT/ CABLE IN
VGA
VIDEO IN AV
R
L
COMPOSITE / COMPONENT AUDIO IN
HDMI
DIGITAL OUTPUT
COMPONENT IN
PR
PB
Y
USB
Back of TV
Component video cable

4. Connect an audio cable (not provided) to the **L** and **R** audio jacks on the side of your TV/DVD combo and to the audio out jacks on the cable or satellite TV box.

Note

- The **COMPONENT IN** video jacks share the audio jacks with the **VIDEO IN/AV** video jack.
- When you connect the audio using the **L** and **R** audio jacks, the audio output is analog.

5. Plug your TV/DVD combo's power cord into a power outlet, turn on your TV/DVD combo, then turn on the cable or satellite box.
6. Go through the Setup Wizard on page 19.

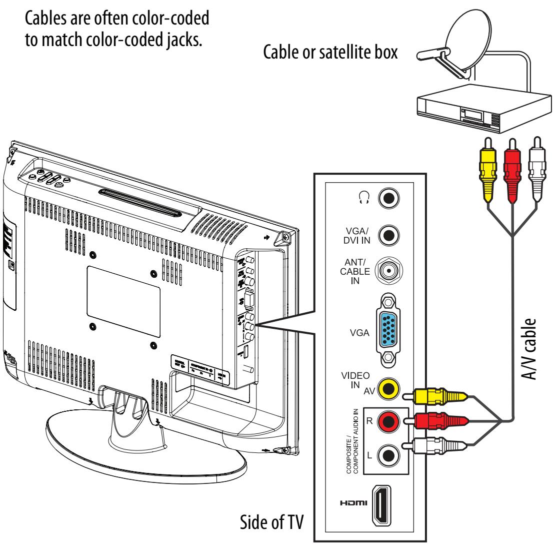
Using composite video (good)

To connect a cable or satellite box using composite video:

1. Make sure that your TV/DVD combo's power cord is unplugged, and all connected equipment is turned off.
2. Connect the incoming cable from the cable wall jack to the cable-in jack on the cable or satellite box.
3. Connect an A/V cable (not provided) to the **VIDEO IN/AV** jack and **L** and **R** audio jacks on the side of your TV/DVD combo and to the composite video and audio out jacks on the cable or satellite box.

Note

- The **VIDEO IN/AV** jack shares the audio jacks with the **COMPONENT IN** video jacks.
- When you connect the audio using the **L** and **R** audio jacks, the audio output is analog.

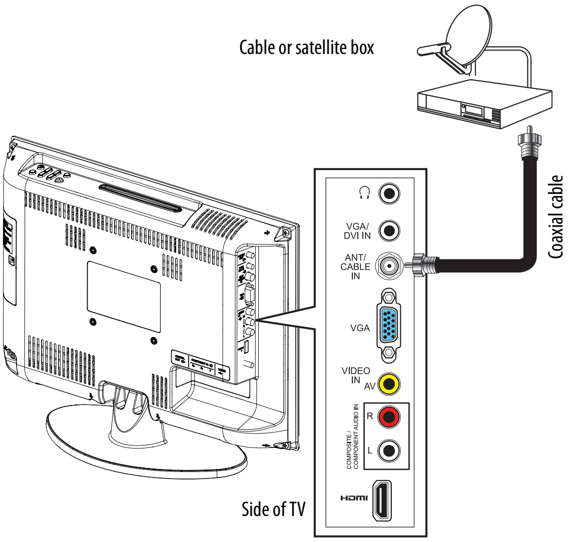

Cables are often color-coded to match color-coded jacks.
Cable or satellite box
VGA/ DVI IN
ANT/ CABLE IN
VGA
VIDEO IN AV
R
L
COMPOSITE / COMPONENT AUDIO IN
HDMI
A/V cable
Side of TV

4. Plug your TV/DVD combo's power cord into a power outlet, turn on your TV/DVD combo, then turn on the cable or satellite box.
5. Go through the Setup Wizard on page 19.

Using coaxial (good)

To connect a cable or satellite box using coaxial:

1. Make sure that your TV/DVD combo's power cord is unplugged, and all connected equipment is turned off.
2. Connect the incoming cable from the cable wall jack to the cable-in jack on the cable or satellite box.
3. Connect a coaxial cable (not provided) to the **ANT/CABLE IN** jack on the side of your TV/DVD combo and to the coaxial out jack on the cable or satellite box.


Cable or satellite box
VGA/ DVI IN
ANT/ CABLE IN
VGA
VIDEO IN AV
R
L
COMPOSITE / COMPONENT AUDIO IN
HDMI
Coaxial cable
Side of TV

4. Plug your TV/DVD combo's power cord into a power outlet, turn on your TV/DVD combo, then turn on the cable or satellite box.
5. Go through the Setup Wizard on page 19.

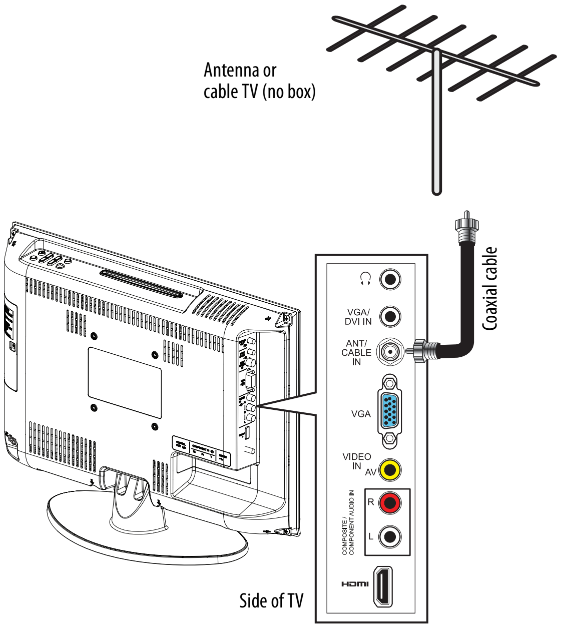
Notes

- Use a coaxial cable to eliminate interference and noise from radio waves.
- Do not bundle the coaxial cable with the power cord or other cables.

Connecting an antenna or cable TV (no box)

To connect an antenna or cable TV (no box):

1. Make sure that your TV/DVD combo’s power cord is unplugged, and all connected equipment is turned off.
2. Connect a coaxial cable to the **ANT/CABLE IN** jack on the side of your TV/DVD combo and to the antenna or cable TV wall jack.



3. Plug your TV/DVD combo’s power cord into a power outlet, then turn on your TV/DVD combo.
4. Go through the Setup Wizard on page 19.

Notes

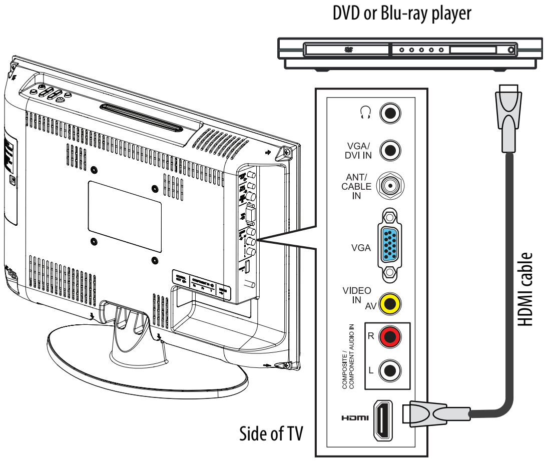
- Use a coaxial cable to eliminate interference and noise from radio waves.
- Do not bundle the coaxial cable with the power cord or other cables.
- If the antenna is not installed correctly, contact qualified service personnel to correct the problem.
- If the signal level for a channel is weak, the picture may be distorted. Adjust the antenna or use a highly directional outdoor or set-top antenna with a built-in amplifier.
- If the picture quality is good on some channels and poor on others, the problem may be caused by a poor or weak signal from the broadcaster or cable TV provider.
- If you connect to cable or satellite TV without a set-top box and experience poor picture quality, you may need to install a set-top box to improve signal reception and picture quality. Contact your cable or satellite TV provider about upgrading to a set-top box.
- Many high-definition (HD) channels upscale standard-definition (SD) content. The picture displayed on your TV/DVD combo is still displayed as SD, thus the picture quality will not be as clear or crisp as it would be if the content was originally recorded in HD.

Connecting a DVD or Blu-ray player

Using HDMI (best)

To connect a DVD or Blu-ray player using HDMI:

1. Make sure that your TV/DVD combo’s power cord is unplugged and the DVD or Blu-ray player is turned off.
2. Connect an HDMI cable (not provided) to the **HDMI** jack on the side of your TV/DVD combo and to the **HDMI OUT** jack on the DVD or Blu-ray player.

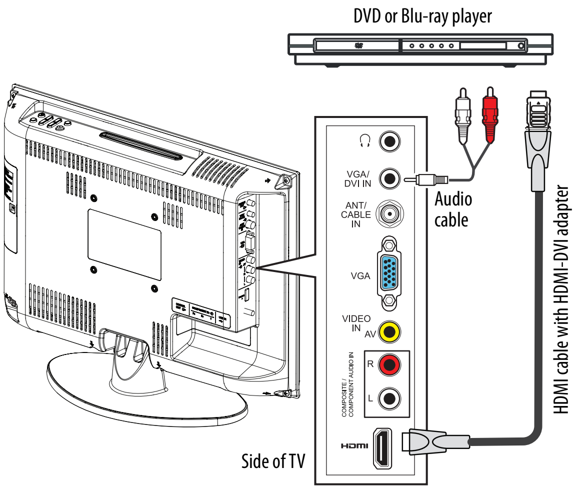


3. Plug your TV/DVD combo’s power cord into a power outlet, then turn on your TV/DVD combo.
4. Turn on the DVD or Blu-ray player, then set it to the correct output mode. For more information, see the documentation that came with the player.
5. Press **INPUT** to open the *Input Source* list.
6. Press **INPUT** repeatedly or press ▲ or ▼ to highlight **HDMI**, then press **ENTER/↵**.

Using DVI (same as HDMI but requires a sound connection)

To connect a DVD or Blu-ray player using DVI:

1. Make sure that your TV/DVD combo's power cord is unplugged and the DVD or Blu-ray player is turned off.
2. Connect an HDMI-DVI adapter (not provided) to one end of an HDMI cable (not provided), then connect the adapter to the **DVI OUT** jack on the DVD or Blu-ray player.
3. Connect the other end of the cable to the **HDMI** jack on the side of your TV/DVD combo.

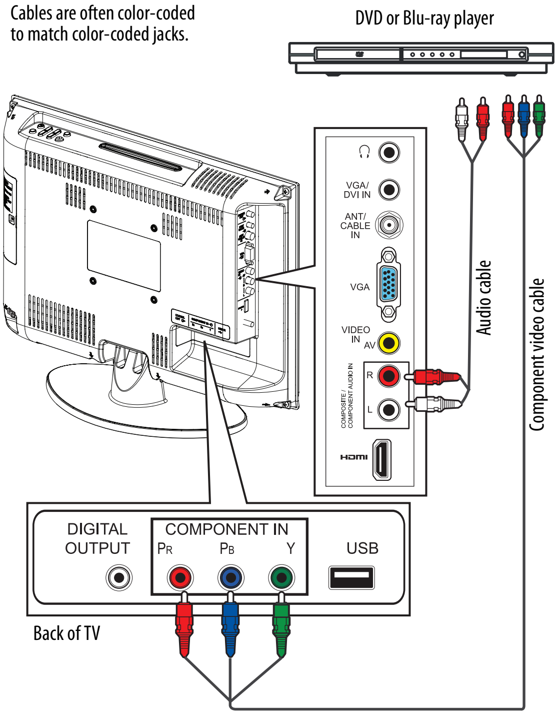

DVD or Blu-ray player
VGA/ DVI IN
ANT/ CABLE IN
VGA
VIDEO IN
AV
R
L
COMPOSITE / COMPONENT AUDIO IN
HDMI
Audio cable
HDMI cable with HDMI-DVI adapter
Side of TV

4. Connect a 3.5mm audio cable (not provided) to the **VGA/DVI IN** jack on the side your TV/DVD combo and to the **AUDIO OUT** jacks on the DVD or Blu-ray player.
5. Plug your TV/DVD combo's power cord into a power outlet, then turn on your TV/DVD combo.
6. Turn on the DVD or Blu-ray player, then set it to the correct output mode. For more information, see the documentation that came with the player.
7. Press **INPUT** to open the *Input Source* list.
8. Press **INPUT** repeatedly or press ▲ or ▼ to highlight **HDMI**, then press **ENTER**/↵.

Using component video (better)

To connect a DVD or Blu-ray player using component video:

1. Make sure that your TV/DVD combo's power cord is unplugged and the DVD or Blu-ray player is turned off.
2. Connect a component video cable (not provided) to the **COMPONENT IN Y/PB/PR** jacks on the back of your TV/DVD combo and to the **COMPONENT OUT** jacks on the component video device.


Cables are often color-coded to match color-coded jacks.
DVD or Blu-ray player
VGA/ DVI IN
ANT/ CABLE IN
VGA
VIDEO IN
AV
R
L
COMPOSITE / COMPONENT AUDIO IN
HDMI
Audio cable
Component video cable
DIGITAL OUTPUT
COMPONENT IN
PR
PB
Y
USB
Back of TV

3. Connect an audio cable to the **L** and **R** audio jacks on the side of your TV/DVD combo and to the **L** and **R AUDIO OUT** jacks on the DVD or Blu-ray player.

Notes

- The **COMPONENT IN** video jacks share the audio jacks with the **VIDEO IN/AV** video jack.
- When you connect the audio using the **L** and **R** audio jacks, the audio output is analog.

4. Plug your TV/DVD combo's power cord into a power outlet, then turn on your TV/DVD combo.
5. Turn on the DVD or Blu-ray player, then set it to the correct output mode. For more information, see the documentation that came with the player.
6. Press **INPUT** to open the *Input Source* list.
7. Press **INPUT** repeatedly or press ▲ or ▼ to highlight **Component**, then press **ENTER**/↵.

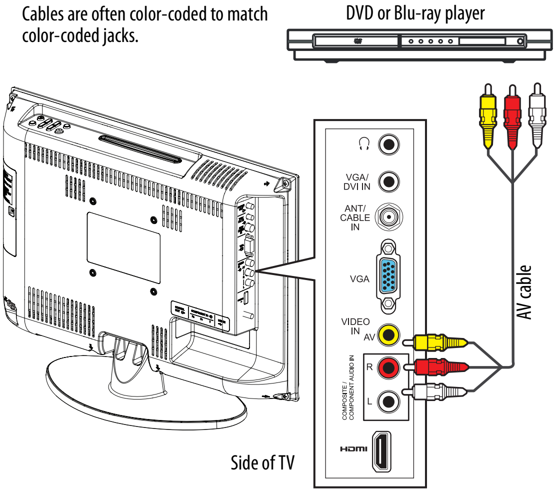
Using composite video (good)

To connect a DVD or Blu-ray player using composite video:

1. Make sure that your TV/DVD combo's power cord is unplugged and the DVD or Blu-ray player is turned off.
2. Connect an AV cable (not provided) to the **VIDEO IN/AV** video jack and **L** and **R** audio jacks on the side of your TV/DVD combo and to the **AV OUT** jacks on the DVD or Blu-ray player.

Note

- The **VIDEO IN/AV** video jack shares the audio jacks with the **COMPONENT IN** video jacks.
- When you connect the audio using the **L** and **R** audio jacks, the audio output is analog.



Cables are often color-coded to match color-coded jacks.

DVD or Blu-ray player
VGA/ DVI IN
ANT/ CABLE IN
VGA
VIDEO IN AV
R
L
COMPOSITE / COMPONENT AUDIO IN
HDMI
AV cable
Side of TV

3. Plug your TV/DVD combo's power cord into a power outlet, then turn on your TV/DVD combo.
4. Turn on the DVD or Blu-ray player, then set it to the correct output mode. For more information, see the documentation that came with the player.
5. Press **INPUT** to open the *Input Source* list.
6. Press **INPUT** repeatedly or press ▲ or ▼ to highlight **A/V**, then press **ENTER/↵**.

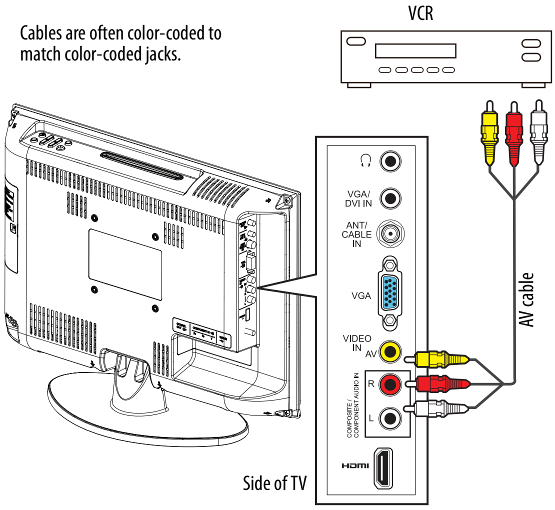
Connecting a VCR

To connect a VCR:

1. Make sure that your TV/DVD combo's power cord is unplugged and the VCR is turned off.
2. Connect an AV cable (not provided) to the **VIDEO IN/AV** video and **L** and **R** audio jacks on the side of your TV/DVD combo and to the **AV OUT** jacks on the VCR.

Note

- The **VIDEO IN/AV** video jack shares the audio jacks with the **COMPONENT IN** video jacks.
- When you connect the audio using the **L** and **R** audio jacks, the audio output is analog.



Cables are often color-coded to match color-coded jacks.

VCR
VGA/ DVI IN
ANT/ CABLE IN
VGA
VIDEO IN AV
R
L
COMPOSITE / COMPONENT AUDIO IN
HDMI
AV cable
Side of TV

3. Plug your TV/DVD combo's power cord into a power outlet, then turn on your TV/DVD combo and the VCR.
4. Press **INPUT** to open the *Input Source* list.
5. Press **INPUT** repeatedly or press ▲ or ▼ to highlight **A/V**, then press **ENTER/↵**.
6. Insert a videotape in the VCR, then press **PLAY** on the VCR.

Connecting a camcorder or game console

Note

If your camcorder or game console has an HDMI connection, we recommend that you use the HDMI connection to get the best quality possible.

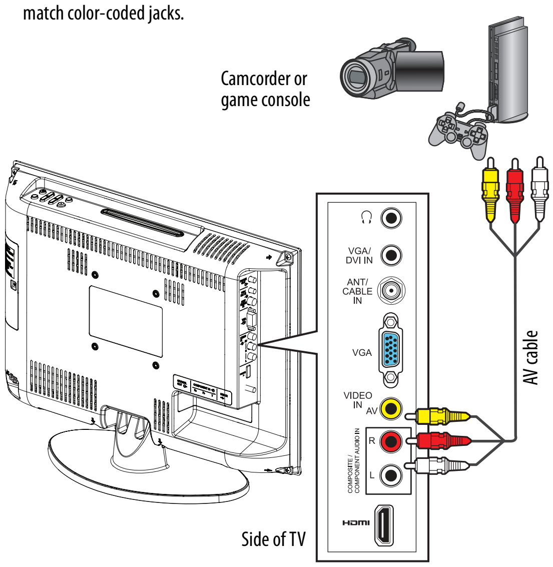
To connect a camcorder or game console:

1. Make sure that your TV/DVD combo's power cord is unplugged and the camcorder or game console is turned off.
2. Connect an AV cable (not provided) to the **VIDEO IN/AV** video jack and **L** and **R** audio jacks on the side of your TV/DVD combo and to the **AV OUT** jacks on the camcorder or game console.

Note

- The **VIDEO IN/AV** video jack shares the audio jacks with the **COMPONENT IN** video jacks.
- When you connect the audio using the **L** and **R** audio jacks, the audio output is analog.

Cables are often color-coded to match color-coded jacks.


Camcorder or game console
AV cable
VGA/ DVI IN
ANT/ CABLE IN
VGA
VIDEO IN AV
R
L
COMPOSITE / COMPONENT AUDIO IN
HDMI
Side of TV

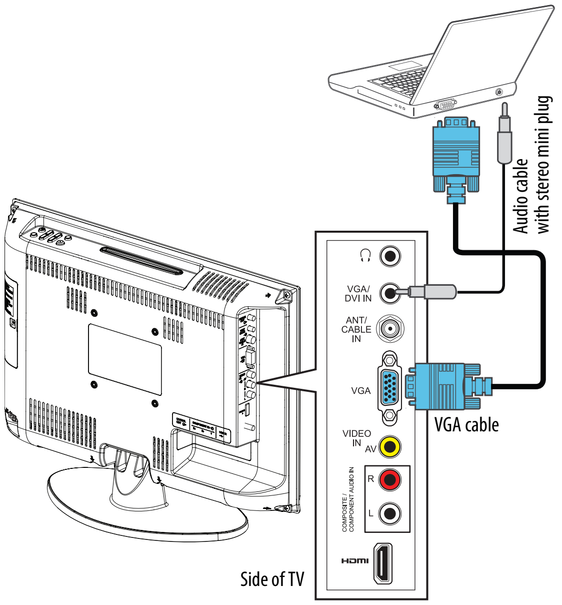
3. Plug your TV/DVD combo's power cord into a power outlet, then turn on your TV/DVD combo.
4. Turn on the camcorder or game console, then set it to the correct output mode. For more information, see the documentation that came with the camcorder or game console.
5. Press **INPUT** to open the *Input Source* list.
6. Press **INPUT** repeatedly or press ▲ or ▼ to highlight **A/V**, then press **ENTER/**⏎.

Connecting a computer

Using VGA

To connect a computer using VGA:

1. Make sure that your TV/DVD combo's power cord is unplugged and the computer is turned off.
2. Connect a VGA cable (not provided) to the **VGA** jack on the side of your TV/DVD combo and to the **VGA** jack on the computer.

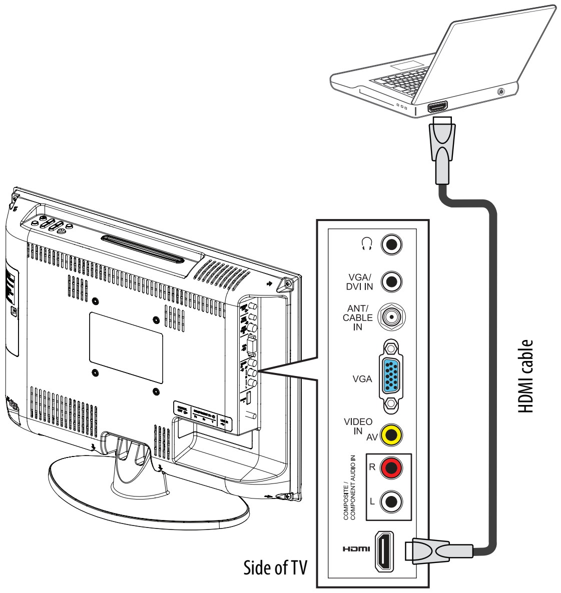

Audio cable with stereo mini plug
VGA/ DVI IN
ANT/ CABLE IN
VGA
VGA cable
VIDEO IN AV
R
L
COMPOSITE / COMPONENT AUDIO IN
HDMI
Side of TV

3. Connect an audio cable with stereo mini plugs (not included) to the **VGA/DVI in** audio jack on the side of your TV/DVD combo and to the **LINE OUT** or **AUDIO OUT** jack on the computer.
4. Plug your TV/DVD combo's power cord into a power outlet, then turn on your TV/DVD combo and the computer.
5. Press **INPUT** to open the *Input Source* list.
6. Press **INPUT** repeatedly or press ▲ or ▼ to highlight **VGA**, then press **ENTER/**⏎.
7. Adjust the display properties on the computer, if necessary.

Using HDMI

To connect a computer using HDMI:

1. Make sure that your TV/DVD combo's power cord is unplugged and the computer is turned off.
2. Connect an HDMI cable (not provided) to the **HDMI** jack on the side of your TV/DVD combo and to the **HDMI OUT** jack on the computer.

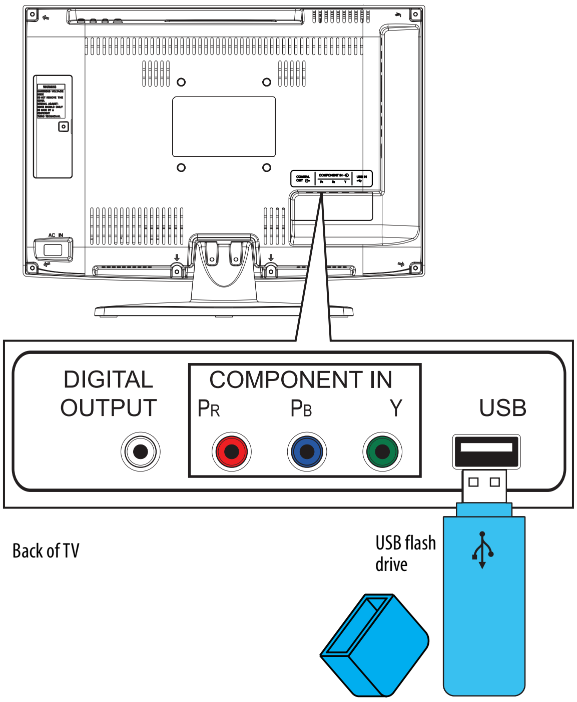

VGA/
DVI IN
ANT/
CABLE
IN
VGA
VIDEO
IN
AV
COMPOSITE /
COMPONENT AUDIO IN
R
L
HDMI
HDMI cable
Side of TV

3. Plug your TV/DVD combo's power cord into a power outlet, then turn on your TV/DVD combo and the computer.
4. Press **INPUT** to open the *Input Source* list.
5. Press **INPUT** repeatedly or press ▲ or ▼ to highlight **HDMI**, then press **ENTER**/⏎.
6. Adjust the display properties on the computer, if necessary.

Connecting a USB flash drive

To connect a USB flash drive:

1. Plug a USB flash drive into the **USB** port on the back of your TV/DVD combo.


DIGITAL
OUTPUT
COMPONENT IN
PR
PB
Y
USB
Back of TV
USB flash
drive

Caution

- Do not remove the USB flash drive or turn off your TV/DVD combo while using the USB flash drive. You may lose data or damage the USB flash drive.
- The USB flash drive must be less than 2.2 inches (55 mm) in length. A longer flash drive will not fit.

2. Turn on your TV/DVD combo.
3. Press **INPUT** to open the *Input Source* list.
4. Press **INPUT** repeatedly or press ▲ or ▼ to highlight **USB (Photos)**, then press **ENTER**/⏎.

Note

The **Photos** viewer only supports JPEG format images (with ".jpg" file extensions) and not all JPEG files are compatible with your TV/DVD combo.

For more information, see "Using a USB flash drive" on page 37.

Connecting headphones

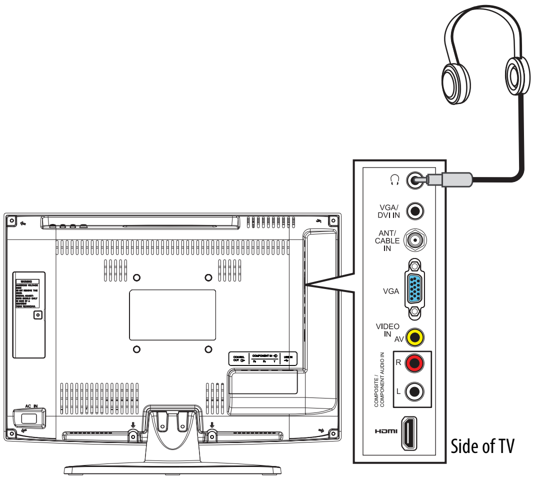
The TV/DVD combo speakers are muted when headphones are attached.

Warning

Loud noise can damage your hearing. When using headphones, use the lowest volume setting on your headphones that still lets you hear the sound.

To connect headphones:

- Connect the headphones to the 🎧 (headphone) jack on the side of your TV/DVD combo.

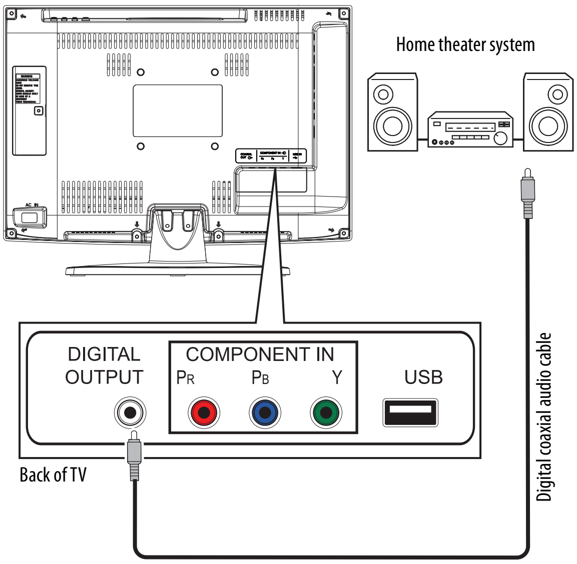

VGA/ DVI IN
ANT/ CABLE IN
VGA
VIDEO IN
AV
R
L
COMPOSITE / COMPONENT AUDIO IN
HDMI
Side of TV

Connecting a basic home theater system

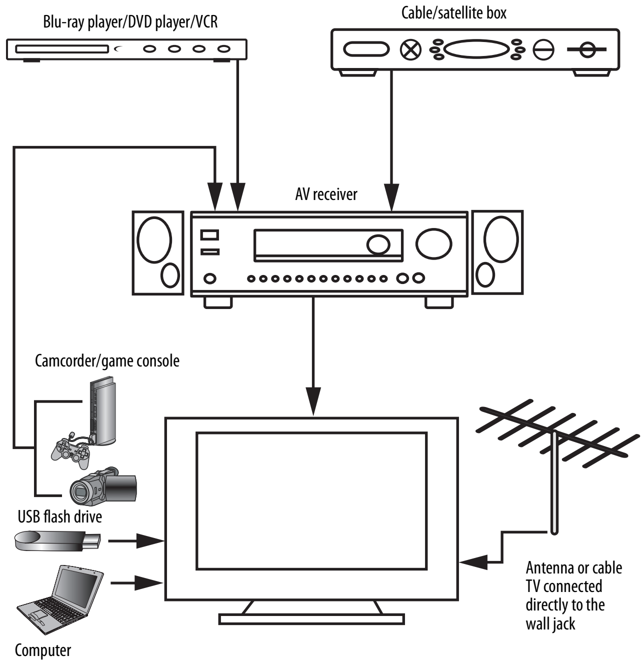
Using digital audio

To connect a basic home theater system using digital audio:

1. Make sure that your TV/DVD combo's power cord is unplugged and the home theater system is turned off.
2. Connect a digital coaxial audio cable (not provided) to the **DIGITAL OUTPUT** jack on the back of your TV/DVD combo and to the coaxial **AUDIO IN** jack on the digital home theater system.


Home theater system
DIGITAL OUTPUT
COMPONENT IN
PR
PB
Y
USB
Back of TV
Digital coaxial audio cable

Connecting a home theater system with multiple devices


Blu-ray player/DVD player/VCR
Cable/satellite box
AV receiver
Camcorder/game console
USB flash drive
Computer
Antenna or cable TV connected directly to the wall jack

The connections you make depend on the video and audio jacks available on your devices. Refer to the documentation that came with your devices for connection information.

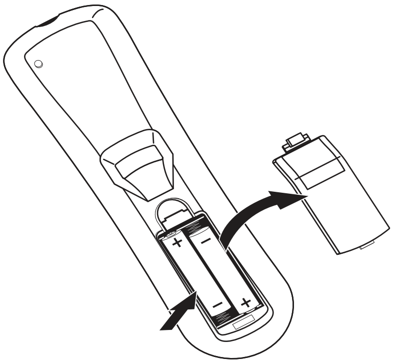
Just remember to use the best connection types available for the best picture and sound. For information about connection types, see "What connection should I use?" on page 8.

Using the remote control

Installing remote control batteries

To install remote control batteries:

1. While pressing the release latch on the back of the remote control, lift the battery compartment cover off the remote control.



2. Insert two AAA batteries into the battery compartment. Make sure that you match the + and – symbols on the batteries with the + and – symbols in the battery compartment.
3. Replace the battery compartment cover.

Cautions

- Batteries should not be exposed to excessive heat, such as sunshine, heat registers, or fire.
- Battery chemicals can cause a rash. If the batteries leak, clean the battery compartment with a cloth. If chemicals touch your skin, wash immediately.
- Make sure that batteries are disposed of correctly. Do not burn or incinerate.

Notes

- Do not mix batteries of different types.
- Do not mix old and new batteries.
- Remove batteries when the charge is depleted.
- If the remote control is not going to be used for an extended period of time, remove the batteries.

Aiming the remote control

To aim the remote control:

- Point the remote control towards the remote sensor on the front of your TV/DVD combo.

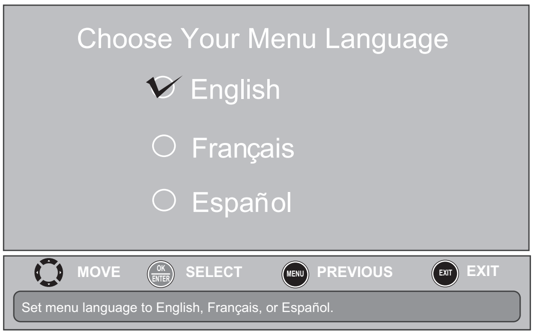
See "Front" on page 5 for the location of the remote sensor.

Turning on your TV/DVD combo for the first time

The first time you turn on your TV/DVD combo, the Setup Wizard opens. The Setup Wizard guides you through setting up basic settings including the menu language, time setting, picture mode, and TV signal source.

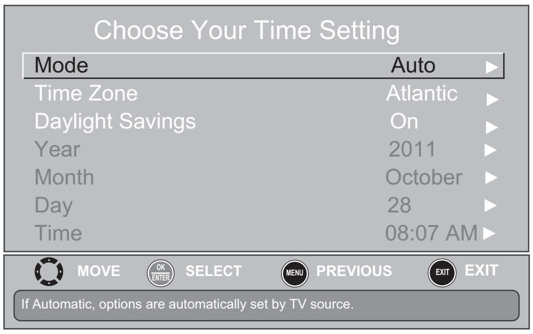
To set up your TV/DVD combo:

1. Make sure that you have:
   - Installed the remote control batteries. (See page 18 for details).
   - Connected an antenna, cable TV, or satellite TV. (See page 9 through 12 for details.)
   - Connected the power cord. (See page 9 for details.)
2. Press ⏻ (power) to turn on your TV/DVD combo. The *Choose Your Menu Language* screen opens.


Choose Your Menu Language
✓ English
○ Français
○ Español
MOVE
OK ENTER SELECT
MENU PREVIOUS
EXIT EXIT

Set menu language to English, Français, or Español.

3. Press ▲ or ▼ to highlight the language you want, then press **ENTER/⏎**. The *Choose Your Time Setting* screen opens.


Choose Your Time Setting
MOVE
OK ENTER SELECT
MENU PREVIOUS
EXIT EXIT

Mode Auto ▶
Time Zone Atlantic ▶
Daylight Savings On ▶
Year 2011 ▶
Month October ▶
Day 28 ▶
Time 08:07 AM ▶

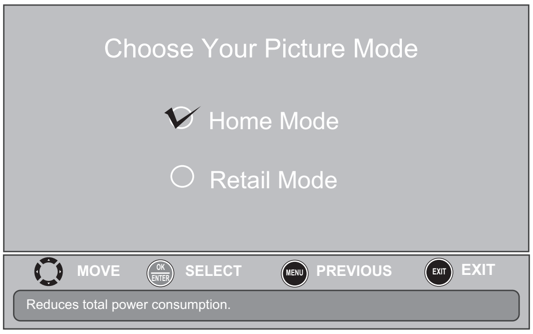
If Automatic, options are automatically set by TV source.

4. Press ▲ or ▼ to highlight **Mode**, then press ◀ or ▶ to select **Manual** (to set the date and time manually) or **Auto** (to set the date and time automatically from a TV signal source based on the time zone you select).

Note

If you select **Auto**, the displayed time will be incorrect until your TV/DVD combo gets the correct time from a TV signal source.

5. Press ▲ or ▼ to highlight **Time Zone**, then press ◀ or ▶ to select your time zone. You can select **Eastern**, **Central**, **Mountain**, **Pacific**, **Alaska**, **Hawaii**, **Atlantic**, or **Newfoundland**.
6. Press ▲ or ▼ to highlight **Daylight Savings**, then press ◀ or ▶ to select **On** (if your viewing area observes Daylight Savings Time) or **Off** (if your viewing area does not observe Daylight Savings Time).
7. If you selected **Manual** for **Mode**, set the date by pressing ▲ or ▼ to highlight **Year**, **Month**, or **Day**, then pressing ◀ or ▶ to adjust the setting.
8. If you selected **Manual** for **Mode**, set the time by pressing ▲ or ▼ to highlight **Time**, then pressing ◀ or ▶ to select the hour, minute, or AM/PM field. Press ▲ or ▼ to adjust the setting.
9. Press **ENTER/⏎**. The *Choose your Picture Mode* screen opens.

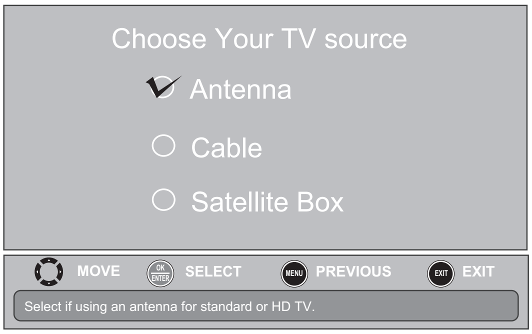

Choose Your Picture Mode
✓ Home Mode
○ Retail Mode
MOVE
OK ENTER SELECT
MENU PREVIOUS
EXIT EXIT

Reduces total power consumption.

10. Press ▲ or ▼ to highlight **Home Mode** or **Retail Mode**, then press **ENTER/⏎**.

    If you selected **Retail Mode**, the message “If you select Retail Mode, then Energy Saving is not realized. Are you sure?” appears. Select **Yes** to continue using **Retail Mode**, or select **No** to change your selection, then press **ENTER/⏎**.

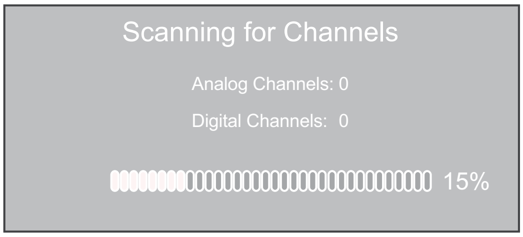
    The *Choose Your TV source* screen opens.


Choose Your TV source
✓ Antenna
○ Cable
○ Satellite Box
MOVE
OK ENTER SELECT
MENU PREVIOUS
EXIT EXIT

Select if using an antenna for standard or HD TV.

11 Press ▲ or ▼ to highlight **Antenna**, **Cable**, or **Satellite Box** (if your cable TV using a box, select **Satellite Box**), then press **ENTER/⏎**.

A If you select **Antenna**, your TV scans for available channels. The scan may take several minutes.



Scanning for Channels

Analog Channels: 0

Digital Channels: 0

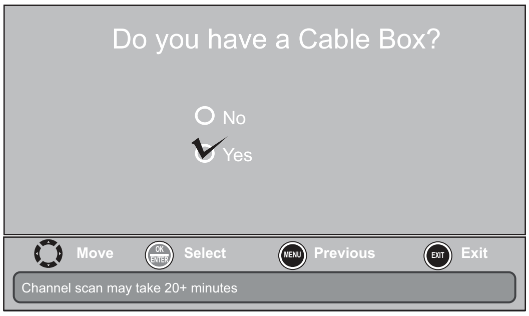
15%

During scanning, your TV searches for digital channels first. When the digital channel search is complete, a message appears asking if you want to search for analog channels. Select **YES** to continue searching for analog channels, or select **NO** to stop searching for channels.

Note

You can press **EXIT** to stop the auto channel search, but you will need to run the auto channel search again to create a channel list.

B If you select **Cable**, a message asks if you have a cable box.



Do you have a Cable Box?

○ No

✓ Yes

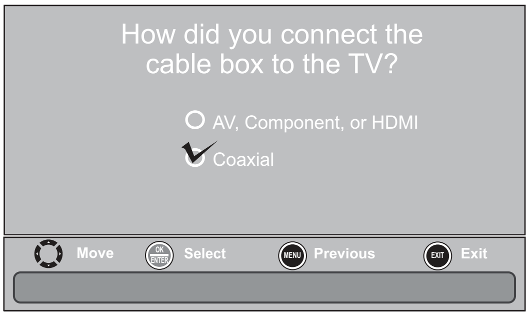
Channel scan may take 20+ minutes

- Select **No**, then press **ENTER** if no cable box is connected. Your TV scans for available channels. The scan may take several minutes.

Note

You can press **EXIT** to stop the auto channel search, but you will need to run the auto channel search again to create a channel list.

- Select **Yes**, then press **ENTER** if a cable box is connected. A message asks how you connected the cable box to your TV:



How did you connect the cable box to the TV?

○ AV, Component, or HDMI

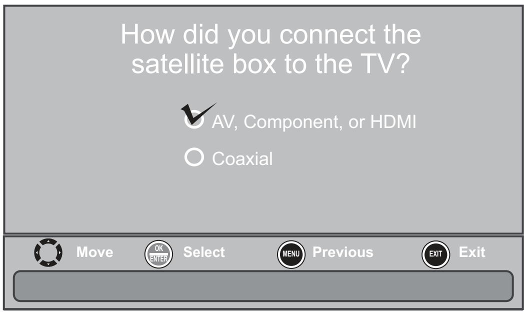
✓ Coaxial

- Select **AV**, **Component**, **or HDMI**, then press **ENTER** if you connected a cable box to your TV using one of these cables. Read the message, then press **ENTER** to close the wizard.
- Select **Coaxial**, then press **ENTER** if you connected a cable box to your TV using a coaxial cable. Read the message, then press **ENTER** to start the channel scan.

Note

You can press **EXIT** to stop the auto channel search, but you will need to run the auto channel search again to create a channel list.

C If you select **Satellite Box**, a message asks how you connected the satellite box to your TV:



How did you connect the satellite box to the TV?

✓ AV, Component, or HDMI

○ Coaxial

- Select **AV**, **Component**, **or HDMI**, then press **ENTER** if you connected a satellite box to your TV using one of these cables. Read the message, then press **ENTER** to close the wizard.
- Select **Coaxial**, then press **ENTER** if you connected a satellite box to your TV using a coaxial cable. Read the message, then press **ENTER** to start the channel scan.

Note

You can press **EXIT** to stop the auto channel search, but you will need to run the auto channel search again to create a channel list.

12 To watch TV, press **INPUT**, press ▲ or ▼ to highlight TV or the video input source you connected your cable or satellite box to in the *Input Source* list, then press **ENTER/⏎**.

- If your TV/DVD combo is connected to an antenna, cable TV (no box), or cable or satellite TV box using a coaxial cable, select **TV**.
- If your TV/DVD combo is connected to a cable or satellite box using an HDMI cable or HDMI cable with a DVI adapter, select **HDMI**.
- If your TV/DVD combo is connected to a cable or satellite box using a component video cable, select **Component**.
- If your TV/DVD combo is connected to a cable or satellite box using a composite video cable, select **A/V**.

Understanding the basics

Turning your TV/DVD combo on or off

To turn your TV/DVD combo on or off:

1. Make sure that the power cord is connected to a power outlet.
2. Press ⏻ (power) to turn on your TV/DVD combo. The power indicator turns off.
3. Press ⏻ (power) again to turn off your TV/DVD combo. Your TV/DVD combo enters standby mode, and the power indicator LED turns red.

Warning

When your TV/DVD combo is in standby mode, it is still receiving power. To completely disconnect power, unplug the power cord.

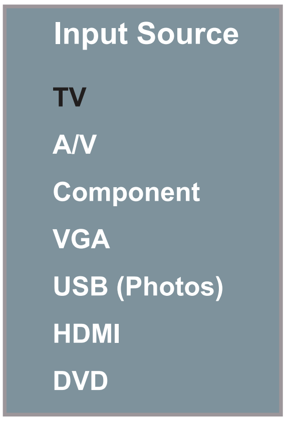
Note

If your TV/DVD combo does not receive an input signal for several minutes, it automatically goes into standby mode.

Selecting the video input source

To select the video input source:

1. Turn on your TV/DVD combo, then press **INPUT**. The *Input Source* list opens.



Input Source

TV
A/V
Component
VGA
USB (Photos)
HDMI
DVD

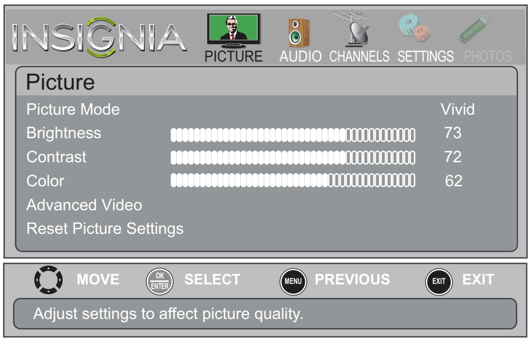
2. Press **INPUT** repeatedly or press ▲ or ▼ to highlight a video input source, then press **ENTER/⏎**.

On-screen menu overview

Notes

- Depending on the signal source selected, you may see different options on your screen. The following menus are shown in TV mode (except the *Photos* menu).
- Menu items that are not selectable are grayed out.
- Menus in this manual are described in TV mode, unless otherwise indicated.
- The screens shown in this manual are for explanation purposes and may vary from the actual screens on your TV/DVD combo.

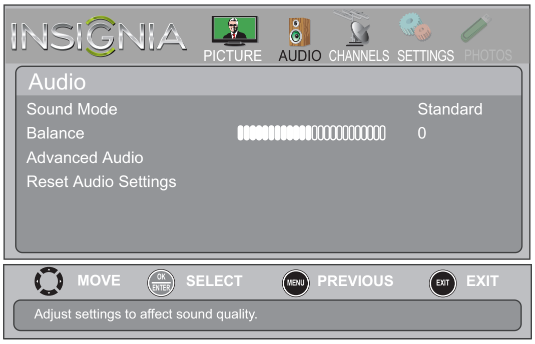
Picture menu (TV mode)


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT
EXIT

Picture
Picture Mode Vivid
Brightness 73
Contrast 72
Color 62
Advanced Video
Reset Picture Settings

Adjust settings to affect picture quality.

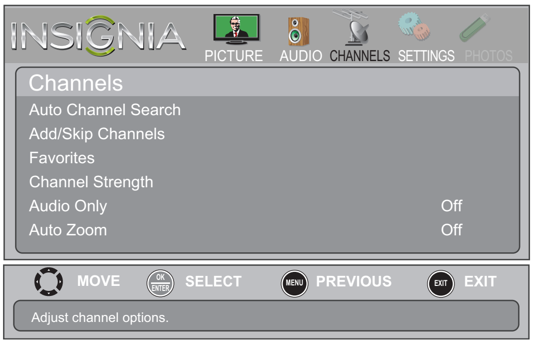
Audio menu (TV mode)


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT
EXIT

Audio
Sound Mode Standard
Balance 0
Advanced Audio
Reset Audio Settings

Adjust settings to affect sound quality.

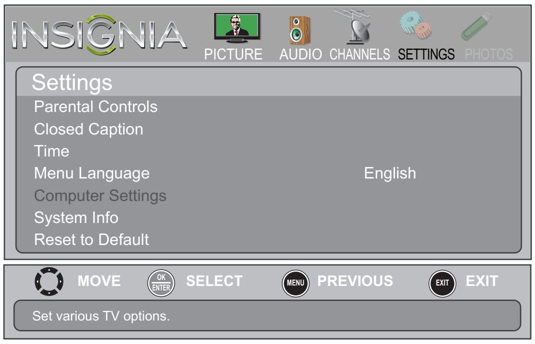
Channels menu (TV mode)


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT
EXIT

Channels
Auto Channel Search
Add/Skip Channels
Favorites
Channel Strength
Audio Only Off
Auto Zoom Off

Adjust channel options.

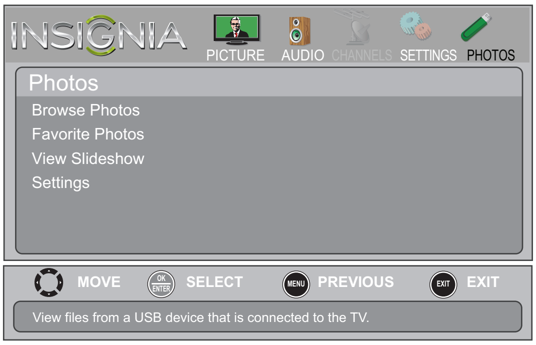
Settings menu (TV mode)


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
Settings
Parental Controls
Closed Caption
Time
Computer Settings
System Info
Reset to Default
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT
EXIT

Menu Language English

Set various TV options.

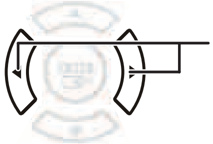
Photos menu (USB mode)


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
Photos
Browse Photos
Favorite Photos
View Slideshow
Settings
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT
EXIT

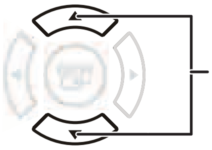
View files from a USB device that is connected to the TV.

Navigating the menus

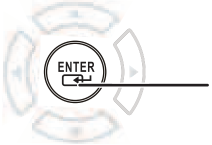
Press **MENU** to open the on-screen menu.



Press the right or left arrow to move the cursor on the screen or to adjust a selected item.



Press the up or down arrow to select menu options.



Press **ENTER/⏎** to confirm a selection or enter a sub-menu.

Press **MENU** to return to the previous menu.

Press **EXIT** to close the menu.

Selecting a channel

To select a channel:

- Press **CH ▲** or **CH ▼** to go to the next or previous channel on the memorized channel list.
- Press the number buttons to enter the analog or main digital channel number you want, then wait for the channel to change or press **ENTER/⏎** to immediately change the channel.
- To select a digital sub-channel, press the number buttons to select the main digital channel, press — (dash), then press the number button for the sub-channel. Wait for the channel to change, or press **ENTER/⏎** to immediately change the channel. For example, to tune to channel 5.1, press **5**, — (dot), then **1**.

Note

Button presses must be within three seconds of each other.

- Press **RECALL/↺** to go to the last viewed channel.
- Press **FAV** to open the favorite channel list, press ▲ or ▼ to highlight a channel, then press **ENTER/⏎**.

Note

If a list has more than one page, press ▲ or ▼ to scroll through the pages.

Adjusting the volume

To adjust the volume:

- Press **VOL+** or **VOL–** to increase or decrease the volume.
- Press 🔇 (mute) to turn off the sound. Press 🔇 (mute) again to turn the sound back on.

Viewing channel information

To view channel information:

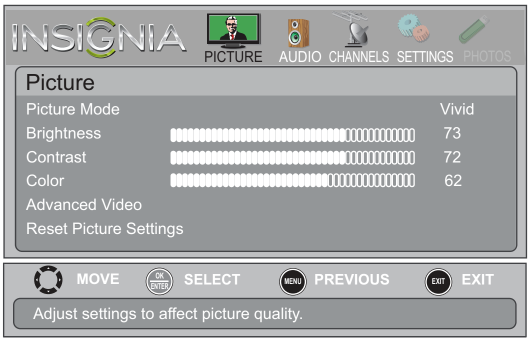
- Press **INFO/*i*** to view an information banner. The information banner shows the current program information such as channel number, video input source, and resolution.
  - Digital channel information—Displays the channel number, station name, broadcast program name, TV rating, signal type, audio information, resolution, CC mode, current time, and current program start and end times.
  - Analog channel information—Displays channel number, signal type, audio information, and resolution.

Adjusting the picture

Adjusting the TV picture

To adjust the TV picture:

1 Press **MENU**. The on-screen menu opens with the *Picture* menu displayed.



Picture
Picture Mode Vivid
Brightness 73
Contrast 72
Color 62
Advanced Video
Reset Picture Settings

Adjust settings to affect picture quality.

2 Press ▼ or **ENTER/⏎** to access the menu.

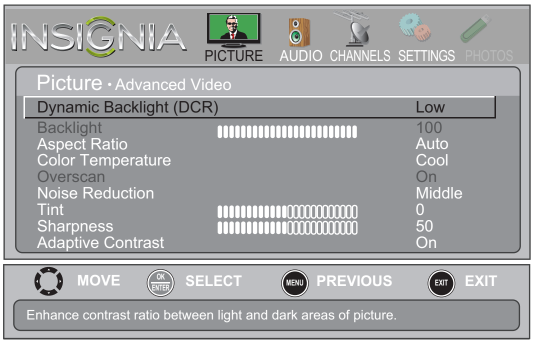
3 Press ▲ or ▼ to highlight an option, then press **ENTER/⏎** to access the option. You can select:

- **Picture Mode**—Selects the picture mode. You can select:
  - **Vivid**—(a bright and vivid picture). Significantly increases the contrast, brightness, and sharpness. This selection is good for video games, animation, and in bright light environments.
  - **Standard**—(a standard picture). Moderately increases the contrast, brightness, and sharpness. This selection is good for standard TV broadcasts.
  - **Energy Savings**—(the backlight brightness is decreased). Your TV/DVD combo has a backlight that provides light for displaying a picture. By reducing the amount of light, your TV/DVD combo uses less energy.
  - **Theater**—(a finely detailed picture). Adjusts the brightness and contrast and lowers the sharpness for a more realistic picture. This selection is good for watching the highest quality video such as Blu-ray Discs, DVDs, and HDTV.
  - **Custom**—(customized picture). Lets you manually adjust picture settings such as brightness, contrast, and color.

Note

You can also press **PICT** to select the picture mode.

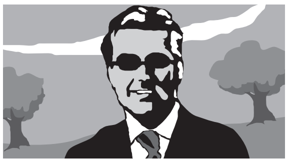
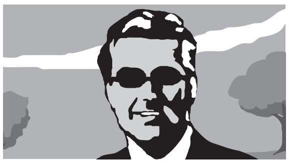
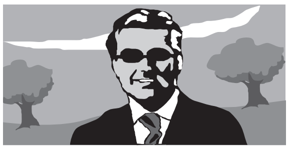
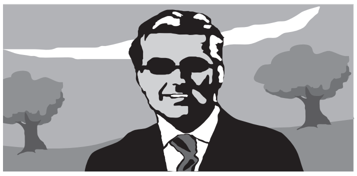
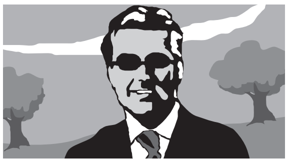
- **Brightness**—Adjusts the brightness of the dark areas of the picture.
- **Contrast**—Adjusts the brightness of the light areas of the picture.
- **Color**—Adjusts the color intensity of the picture. A low setting may make the color look faded. A high setting may make the color look artificial.
- **Advanced Video**—Opens the *Picture-Advanced Video* menu where you can adjust additional video options.



Picture • Advanced Video
Dynamic Backlight (DCR) Low
Backlight 100
Aspect Ratio Auto
Color Temperature Cool
Overscan On
Noise Reduction Middle
Tint 0
Sharpness 50
Adaptive Contrast On

Enhance contrast ratio between light and dark areas of picture.

  - **Dynamic Backlight (DCR)**—Enhances the contrast ratio between light and dark areas of the picture. You can select **High**, **Low**, or **Off**.
  - **Backlight**—Sets the overall brilliance of the screen. When **Dynamic Backlight (DCR)** is turned on, you cannot change the **Backlight** setting.
  - **Aspect Ratio**—Selects the aspect ratio of the picture.

Aspect ratio options	Example
Normal: Displays the original 4:3 aspect ratio with vertical black bars on the left and right of the image.	
Zoom: Expands the image to fill the screen. The top and bottom of the image may be cropped.	
Wide: Use this option to view content recorded in a 16:9 (wide-screen) aspect ratio.	
Cinema: Stretches the image at the edges, but keeps a clear image in the center.	
Auto: Automatically adjusts the image based on the screen size and the TV program. **Note: Auto** is only available when **Auto Zoom** in the *Channels* menu is set to **On**.	

Note

You can also press **ZOOM/↔** to select the aspect ratio.

  - **Color Temperature**—Selects the color temperature. You can select **Cool** (to enhance the blues), **Normal**, or **Warm** (to enhance the reds).
  - **Overscan**—Adjusts the picture's reproduction rate. You can select **On** or **Off**.
  - **Noise Reduction**—Selects the noise reduction mode to reduce picture noise (snow). You can select **Low**, **Middle**, **High**, or **Off**.
  - **Tint**—Adjusts the color balance of the picture. Use this control to make skin tones look more natural.
  - **Sharpness**—Adjusts the color detail of images. If you set this control too high, dark images may appear with light or white edges.
  - **Adaptive Contrast**—Automatically adjusts picture detail and brightness. You can select **On** or **Off**.
- **Reset Picture Settings**—Resets all picture settings to factory mode.

4 Press ◀ or ▶ to adjust the option, or press ▲ or ▼ to select a setting, then press **ENTER/↵**.

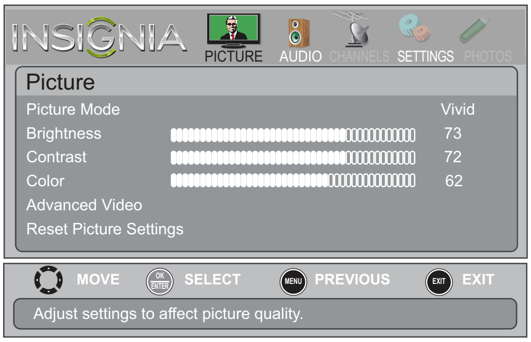
5 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Adjusting the computer image

To adjust the computer image:

1 Make sure that your TV/DVD combo is in VGA mode. For more information, see "Selecting the video input source" on page 21.

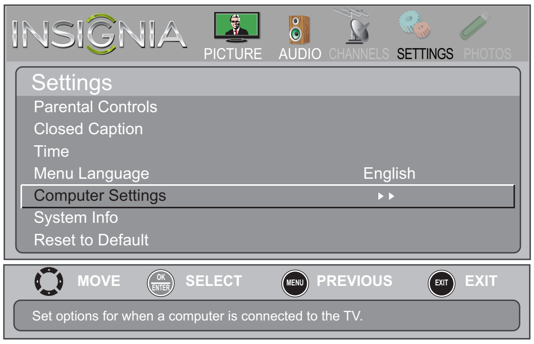
2 Press **MENU**. The on-screen menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
Picture
Advanced Video
Reset Picture Settings
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT
EXIT

Picture Mode Vivid
Brightness 73
Contrast 72
Color 62

Adjust settings to affect picture quality.

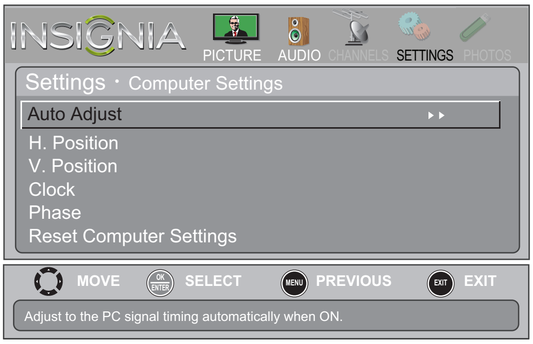
3 Press ◀ or ▶ to highlight **SETTINGS**, then press ▼ or **ENTER/↵**. The *Settings* menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
Settings
Parental Controls
Closed Caption
Time
Computer Settings
System Info
Reset to Default
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT
EXIT

Menu Language English

Set options for when a computer is connected to the TV.

4 Press ▲ or ▼ to highlight **Computer Settings**, then press **ENTER/↵**. The *Settings · Computer Settings* menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
Settings · Computer Settings
Auto Adjust
H. Position
V. Position
Clock
Phase
Reset Computer Settings
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT
EXIT

Adjust to the PC signal timing automatically when ON.

5 Press ▲ or ▼ to highlight an option, then press **ENTER/↵** to access the option. You can select:

- **Auto Adjust**—Automatically adjusts the image settings such as position and phase.
- **H. Position**—Moves the image right or left.
- **V. Position**—Moves the image up or down.
- **Clock**—Adjusts the sample frequency.
- **Phase**—Adjusts the focus of stable images.
- **Reset Computer Settings**—Resets all computer settings to factory mode.

6 Press ◀ or ▶ to adjust the option, or press ▲ or ▼ to select a setting, then press **ENTER/↵**.

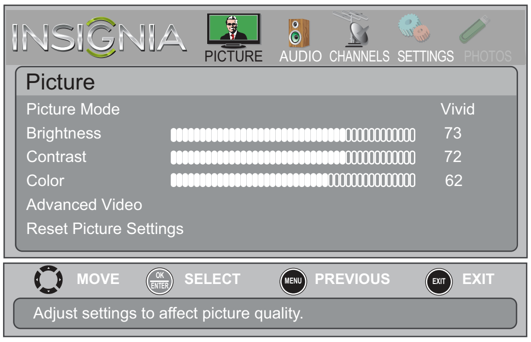
7 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Setting the power-on picture mode

You can set **Vivid** picture mode as your power-on default, regardless of the picture mode your TV/DVD combo is in when you turn it off.

To set the power-on picture mode:

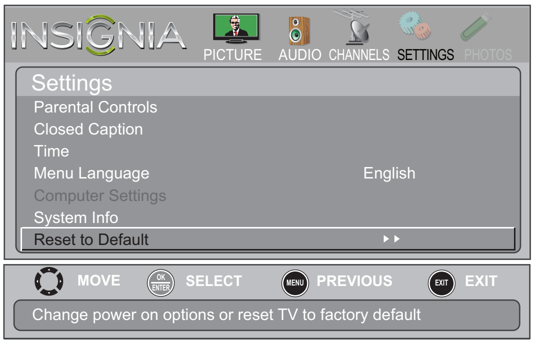
1 Press **MENU**. The on-screen menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
Picture
Advanced Video
Reset Picture Settings
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT
EXIT

Picture Mode Vivid
Brightness 73
Contrast 72
Color 62

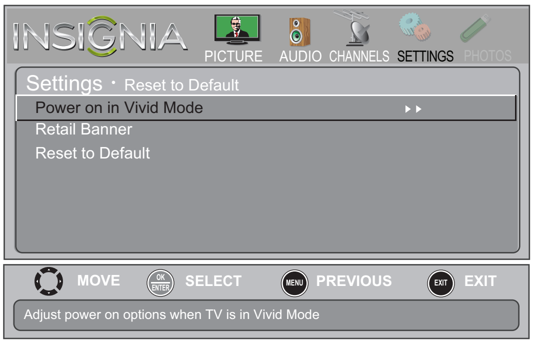
Adjust settings to affect picture quality.

2. Press ◀ or ▶ to highlight **SETTINGS**, then press ▼ or **ENTER**/⏎. The *Settings* menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
Settings
Parental Controls
Closed Caption
Time
Menu Language English
Computer Settings
System Info
Reset to Default
MOVE
OK ENTER SELECT
MENU PREVIOUS
EXIT EXIT

Change power on options or reset TV to factory default

3. Press ▲ or ▼ to highlight **Reset to Default**, then press **ENTER**/⏎. The *Settings · Reset to Default* menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
Settings · Reset to Default
Power on in Vivid Mode
Retail Banner
Reset to Default
MOVE
OK ENTER SELECT
MENU PREVIOUS
EXIT EXIT

Adjust power on options when TV is in Vivid Mode

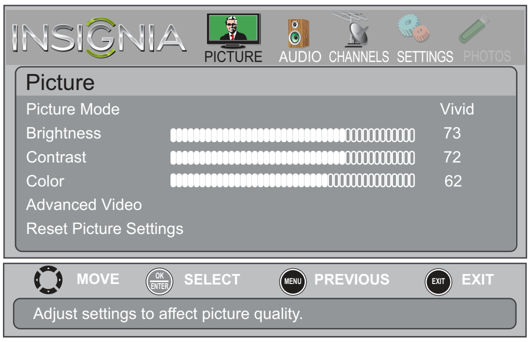
4. Press ▲ or ▼ to highlight **Power on in Vivid Mode**, then press **ENTER**/⏎. A menu opens.
5. Press ◀ or ▶ to highlight **On** (when you turn on your TV/DVD combo, it will be in **Vivid** picture mode) or **Off** (when you turn on your TV/DVD combo, it will be in the picture mode it was in when you turned it off), then press **ENTER**/⏎.
6. Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Displaying a banner at power on

Your TV/DVD combo can display a retail banner that displays your TV/DVD combo's features.

To display a banner at power on:

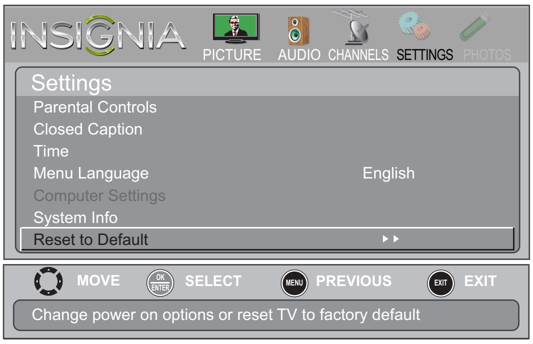
1. Press **MENU**. The on-screen menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
Picture
Advanced Video
Reset Picture Settings
MOVE
OK ENTER SELECT
MENU PREVIOUS
EXIT EXIT

Picture Mode Vivid
Brightness 73
Contrast 72
Color 62

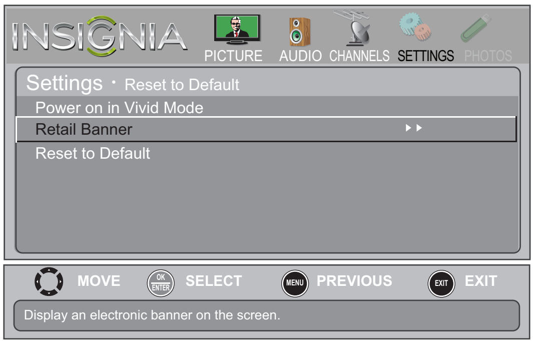
Adjust settings to affect picture quality.

2. Press ◀ or ▶ to highlight **SETTINGS**, then press ▼ or **ENTER**/⏎. The *Settings* menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
Settings
Parental Controls
Closed Caption
Time
Menu Language English
Computer Settings
System Info
Reset to Default
MOVE
OK ENTER SELECT
MENU PREVIOUS
EXIT EXIT

Change power on options or reset TV to factory default

3. Press ▲ or ▼ to highlight **Reset to Default**, then press **ENTER**/⏎. The *Settings · Reset to Default* menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
Settings · Reset to Default
Power on in Vivid Mode
Retail Banner
Reset to Default
MOVE
OK ENTER SELECT
MENU PREVIOUS
EXIT EXIT

Display an electronic banner on the screen.

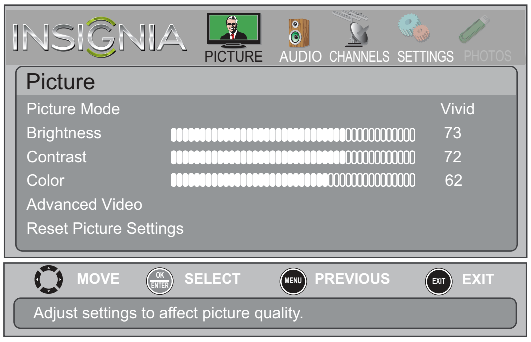
4. Press ▲ or ▼ to highlight **Retail Banner**, then press **ENTER**/⏎. A menu opens.
5. Press ◀ or ▶ to select **On** (displays the banner) or **Off** (does not display the banner), then press **ENTER**/⏎.
6. Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Adjusting the sound

Adjusting sound settings

To adjust sound settings:

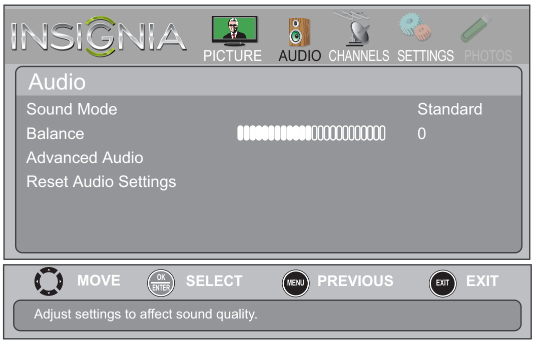
1. Press **MENU**. The on-screen menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
Picture
Advanced Video
Reset Picture Settings
MOVE
OK ENTER SELECT
MENU PREVIOUS
EXIT EXIT

Picture Mode Vivid
Brightness 73
Contrast 72
Color 62

Adjust settings to affect picture quality.

2. Press ◀ or ▶ to highlight **AUDIO**, then press ▼ or **ENTER/⏎**. The *Audio* menu opens.



Audio

Sound Mode Standard

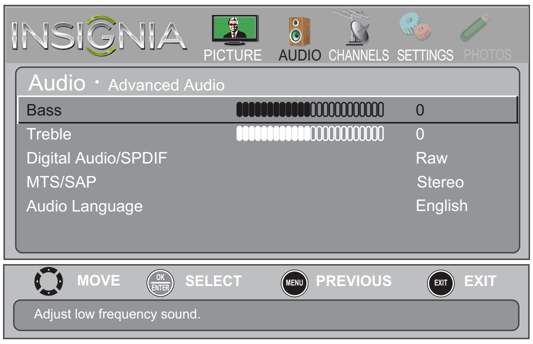
Balance 0

Advanced Audio

Reset Audio Settings

Adjust settings to affect sound quality.

3. Press ▲ or ▼ to highlight an option, then press **ENTER/⏎** to access the option. You can select:
   - **Sound Mode**—Selects the sound mode. You can select:
     - **Standard**—Balances treble and bass. This setting is good for watching standard TV broadcasts.
     - **Theater**—Moderately decreases and enhances treble and bass for a rich sound experience.
     - **Music**—Increases the treble and bass and preserves the original sound. This setting is good for listening to a musical program.
     - **News**—Moderately decreases treble and bass.
     - **Custom**—Lets you manually adjust sound settings.
   - **Balance**—Adjusts the balance between the left and right audio channels.
   - **Advanced Audio**—Opens the *Audio · Advanced Audio* menu where you can adjust additional audio options.



Audio · Advanced Audio

Bass 0

Treble 0

Digital Audio/SPDIF Raw

MTS/SAP Stereo

Audio Language English

Adjust low frequency sound.

   - **Bass**—Adjusts the low sounds.
   - **Treble**—Adjusts the high sounds.
   - **Digital Audio/SPDIF**—Sends digital audio to an external audio system. You can select **PCM** (to output audio in 2-channel stereo), or **RAW** (to pass through the original digital audio sound).
   - **MTS/SAP**—(Analog channels only) Selects the audio mode. You can select:
     - **Mono**—Select this option if there is noise or static on weak stereo broadcasts.
     - **Stereo**—Select this option for programs broadcast in stereo.
     - **SAP**—Select this option to listen to a secondary audio program, if available.

Note

You can also press **SAP** one or more times to select the audio mode.

   - **Audio Language**—(Digital channels only) Selects an alternate audio language, if available.
   - **Reset Audio Settings**—Reset all audio settings to factory defaults.

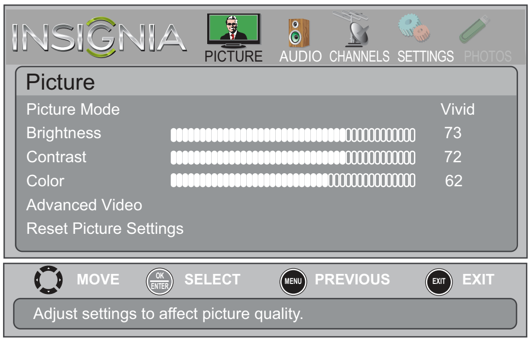
4. Press ◀ or ▶ to adjust the option, or press ▲ or ▼ to select a setting, then press **ENTER/⏎**.
5. Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Playing TV audio only

You can turn off the picture on your TV/DVD combo and listen to the program audio only.

To play TV audio only:

1. Press **MENU**. The on-screen menu opens.



Picture

Picture Mode Vivid

Brightness 73

Contrast 72

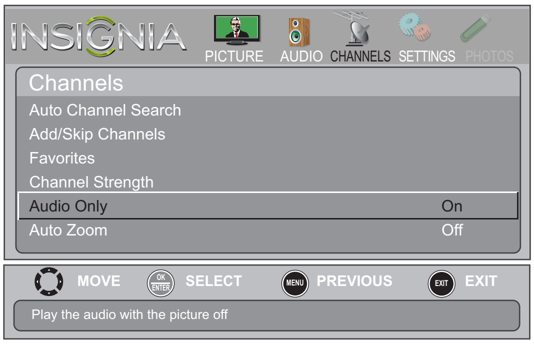
Color 62

Advanced Video

Reset Picture Settings

Adjust settings to affect picture quality.

2. Press ◀ or ▶ to highlight **CHANNELS**, then press ▼ or **ENTER/⏎**. The *Channels* menu opens.



Channels

Auto Channel Search

Add/Skip Channels

Favorites

Channel Strength

Audio Only On

Auto Zoom Off

Play the audio with the picture off

3. Press ▲ or ▼ to highlight **Audio Only**, then press **ENTER/⏎**.
4. Press ▲ or ▼ to select **On**, then press **ENTER/⏎**.
5. Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Notes

- **Audio Only** works only when the input source is TV, and your TV/DVD combo is receiving a broadcast signal.
- To exit audio only mode, press any button. When you exit audio only mode, the **Audio Only** option is automatically reset to **Off**.

Changing channel settings

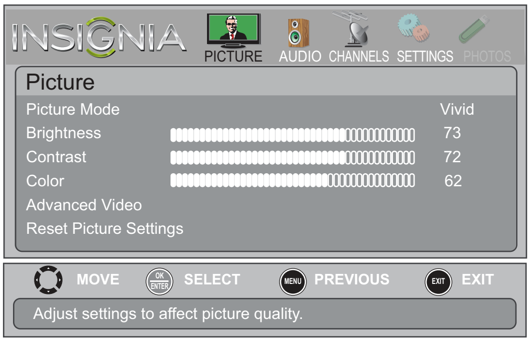
Automatically scanning for channels

When you scan for channels, your TV/DVD combo searches for channels with signals and stores the channel information in the channel list. When you press **CH ▲** or **CH ▼**, your TV/DVD combo goes to the next or previous channel in the channel list.

If the TV signal source changes, for example you change from an outdoor antenna to cable TV (no box), you need to scan for channels.

To automatically scan for channels:

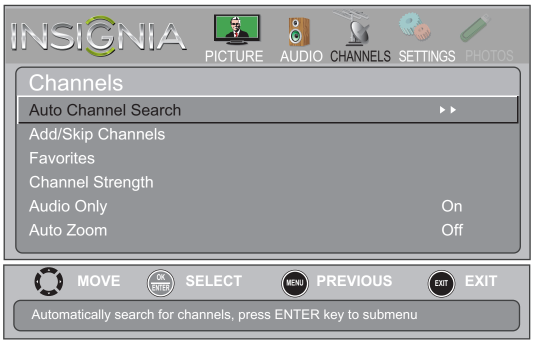
1 Press **MENU**. The on-screen menu opens.



Picture Mode Vivid
Brightness 73
Contrast 72
Color 62
Advanced Video
Reset Picture Settings

Adjust settings to affect picture quality.

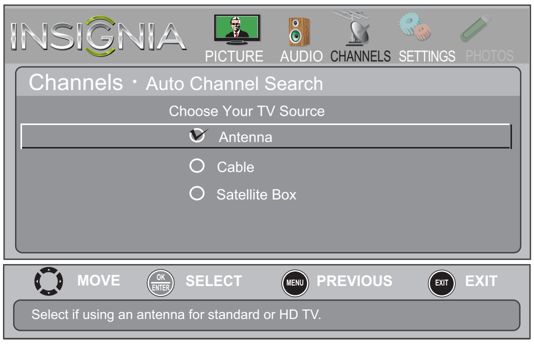
2 Press ◀ or ▶ to highlight **CHANNELS**, then press ▼ or **ENTER**/↵. The *Channels* menu opens.



Auto Channel Search ▸▸
Add/Skip Channels
Favorites
Channel Strength
Audio Only On
Auto Zoom Off

Automatically search for channels, press ENTER key to submenu

3 Press ▲ or ▼ to highlight **Auto Channel Search**, then press **ENTER**/↵. The *Channels · Auto Channel Search* screen opens.



Choose Your TV Source
☑ Antenna
○ Cable
○ Satellite Box

Select if using an antenna for standard or HD TV.

4 Press ▲ or ▼ to highlight **Antenna**, **Cable**, or **Satellite Box**, then press **ENTER**/↵.

A If you select **Antenna**, your TV scans for available channels. The scan may take several minutes.

During scanning, your TV searches for digital channels first. When the digital channel search is complete, a message appears asking if you want to search for analog channels. Select **YES** to continue searching for analog channels, or select **No** to stop searching for channels.

Note

You can press **EXIT** to stop the auto channel search, but you will need to run the auto channel search again to create a channel list.

B If you select **Cable**, a message asks if you have a cable box.

- Select **No**, then press **ENTER** if no cable box is connected. Your TV scans for available channels. The scan may take several minutes.

Note

You can press **EXIT** to stop the auto channel search, but you will need to run the auto channel search again to create a channel list.

- Select **Yes**, then press **ENTER** if a cable box is connected. A message asks how you connected the cable box to your TV:
  - Select **AV**, **Component**, **or HDMI**, then press **ENTER** if you connected a cable box to your TV using one of these cables. Read the message, then press **ENTER** to close the wizard.
  - Select **Coaxial**, then press **ENTER** if you connected a cable box to your TV using a coaxial cable. Read the message, then press **ENTER** to start the channel scan.

Note

You can press **EXIT** to stop the auto channel search, but you will need to run the auto channel search again to create a channel list.

C If you select **Satellite Box**, a message asks how you connected the satellite box to your TV:

- Select **AV**, **Component**, **or HDMI**, then press **ENTER** if you connected a satellite box to your TV using one of these cables. Read the message, then press **ENTER** to close the wizard.
- Select **Coaxial**, then press **ENTER** if you connected a satellite box to your TV using a coaxial cable. Read the message, then press **ENTER** to start the channel scan.

Note

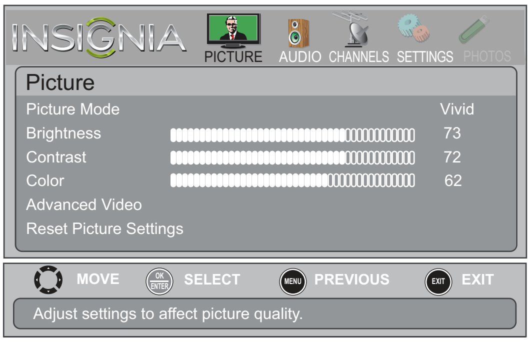
You can press **EXIT** to stop the auto channel search, but you will need to run the auto channel search again to create a channel list.

Hiding channels

You can hide channels in the channel list. When you press **CH** ▲ or **CH** ▼, your TV/DVD combo skips the hidden channels. You can still tune to a hidden channel by pressing the number buttons for the channel.

To hide channels:

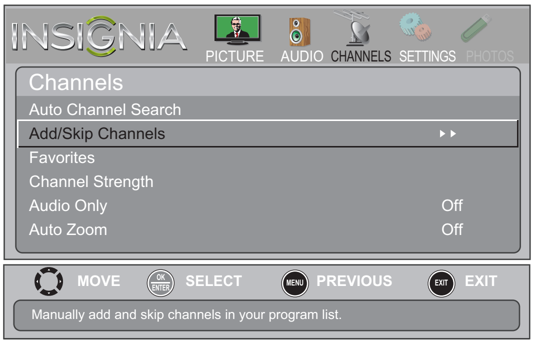
1 Press **MENU**. The on-screen menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER SELECT
MENU PREVIOUS
EXIT EXIT

Picture
Picture Mode Vivid
Brightness 73
Contrast 72
Color 62
Advanced Video
Reset Picture Settings

Adjust settings to affect picture quality.

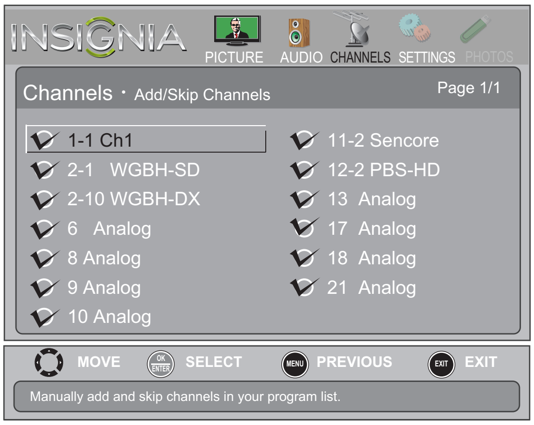
2 Press ◀ or ▶ to highlight **CHANNELS**, then press ▼ or **ENTER**/⏎. The *Channels* menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER SELECT
MENU PREVIOUS
EXIT EXIT

Channels
Auto Channel Search
Add/Skip Channels ▸▸
Favorites
Channel Strength
Audio Only Off
Auto Zoom Off

Manually add and skip channels in your program list.

3 Press ▲ or ▼ to highlight **Add/Skip Channels**, then press **ENTER**/⏎. The *Channels · Add/Skip Channels* screen opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER SELECT
MENU PREVIOUS
EXIT EXIT

Channels · Add/Skip Channels Page 1/1

✓ 1-1 Ch1
✓ 2-1 WGBH-SD
✓ 2-10 WGBH-DX
✓ 6 Analog
✓ 8 Analog
✓ 9 Analog
✓ 10 Analog
✓ 11-2 Sencore
✓ 12-2 PBS-HD
✓ 13 Analog
✓ 17 Analog
✓ 18 Analog
✓ 21 Analog

Manually add and skip channels in your program list.

4 Press ▲ ▼ ◀ or ▶ to highlight the channel you want to hide, then press **ENTER**/⏎. The check mark disappears.

Notes

- A channel with a check mark is not hidden. A channel with no check mark is hidden.
- If the list has more than one page, press ▲ or ▼ to scroll through the pages.

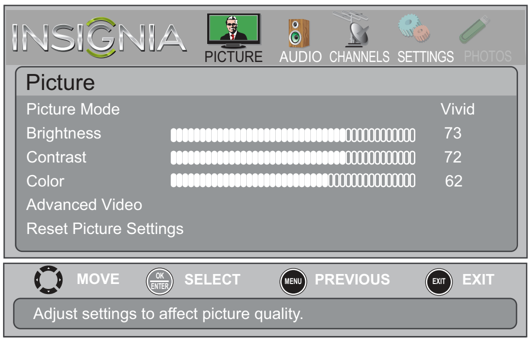
5 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Setting up a favorite channel list

You can create a favorite channel list so you can quickly browse through your favorite channels by pressing **FAV**, then selecting a channel from the favorite channel list.

To set up a favorite channel list:

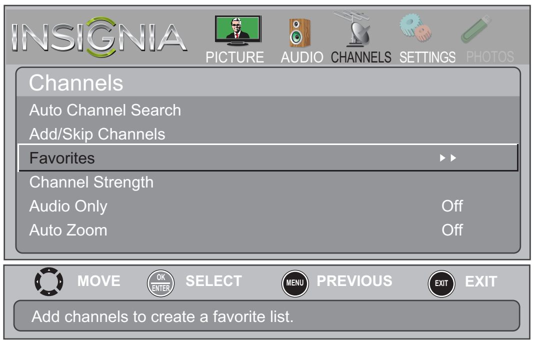
1 Press **MENU**. The on-screen menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER SELECT
MENU PREVIOUS
EXIT EXIT

Picture
Picture Mode Vivid
Brightness 73
Contrast 72
Color 62
Advanced Video
Reset Picture Settings

Adjust settings to affect picture quality.

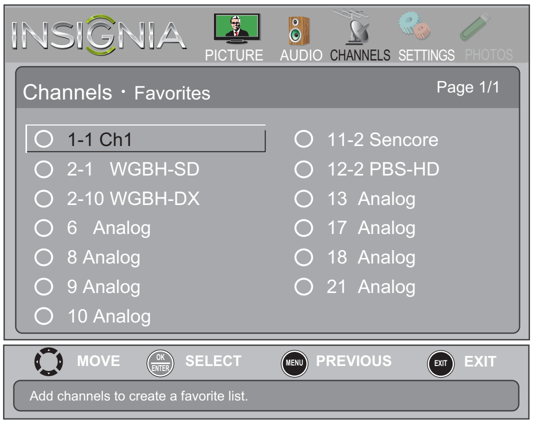
2 Press ◀ or ▶ to highlight **CHANNELS**, then press ▼ or **ENTER**/⏎. The *Channels* menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER SELECT
MENU PREVIOUS
EXIT EXIT

Channels
Auto Channel Search
Add/Skip Channels
Favorites ▸▸
Channel Strength
Audio Only Off
Auto Zoom Off

Add channels to create a favorite list.

3 Press ▲ or ▼ to highlight **Favorites**, then press **ENTER**/⏎. The *Channels · Favorites* screen opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER SELECT
MENU PREVIOUS
EXIT EXIT

Channels · Favorites Page 1/1

○ 1-1 Ch1
○ 2-1 WGBH-SD
○ 2-10 WGBH-DX
○ 6 Analog
○ 8 Analog
○ 9 Analog
○ 10 Analog
○ 11-2 Sencore
○ 12-2 PBS-HD
○ 13 Analog
○ 17 Analog
○ 18 Analog
○ 21 Analog

Add channels to create a favorite list.

4 Press ▲ ▼ ◀ or ▶ to highlight the channel you want to add to the favorites list, then press **ENTER/↵**. A check mark appears next to the channel.

Notes

- To remove a channel from the favorites list, highlight the channel, then press **ENTER/↵**. The check mark disappears and the channel is removed from the list.
- If the list has more than one page, press ▲ or ▼ to scroll through the pages.

5 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Viewing a favorite channel

To view a favorite channel:

1 Press **FAV**. The favorite channel list opens.

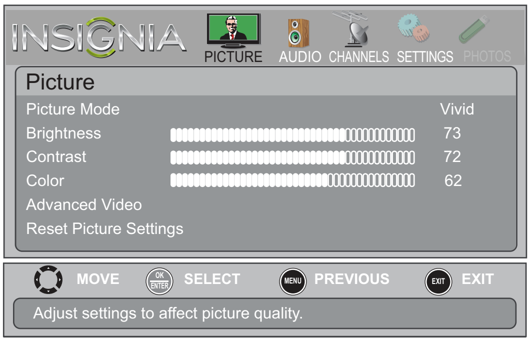
2 Press ▲ or ▼ to highlight a channel, then press **ENTER/↵**.

Checking the digital signal strength

You can check the digital signal strength to determine if you need to adjust your antenna or digital cable input. The higher the signal strength, the less likely you are to experience picture degradation.

To check the digital signal strength:

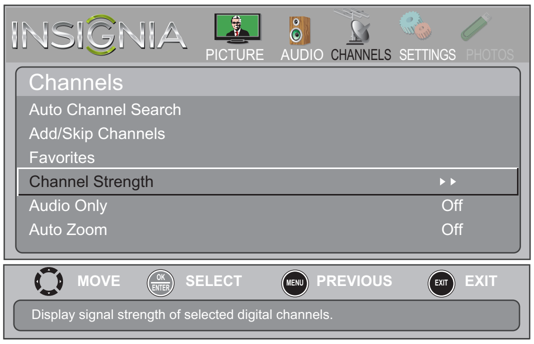
1 Press **MENU**. The on-screen menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
SELECT
PREVIOUS
EXIT

Picture
Picture Mode Vivid
Brightness 73
Contrast 72
Color 62
Advanced Video
Reset Picture Settings

Adjust settings to affect picture quality.

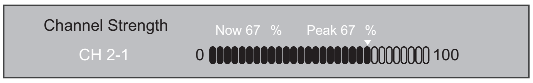
2 Press ◀ or ▶ to highlight **CHANNELS**, then press ▼ or **ENTER/↵**. The *Channels* menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
SELECT
PREVIOUS
EXIT

Channels
Auto Channel Search
Add/Skip Channels
Favorites
Channel Strength
Audio Only Off
Auto Zoom Off

Display signal strength of selected digital channels.

3 Press ▲ or ▼ to highlight **Channel Strength**, then press **ENTER/↵**. The signal strength meter is displayed.



Channel Strength
CH 2-1
Now 67 % Peak 67 %
0 100

4 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

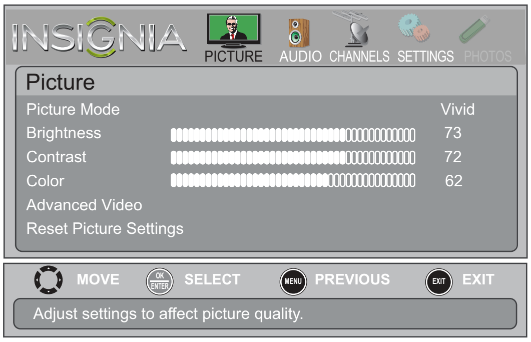
Setting parental controls

Parental controls let you prevent your children from watching inappropriate material on TV. When set, parental controls read the rating of the program (with some exceptions, such as news and sports) and deny access to programs that exceed the ratings level you select. To watch programs that exceed the selected rating, you must enter a password.

Setting or changing the password

To set or change the password:

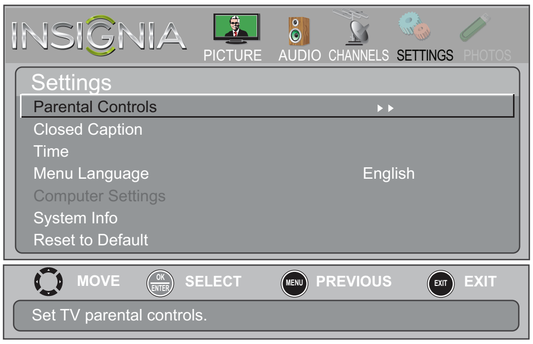
1 Press **MENU**. The on-screen menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
SELECT
PREVIOUS
EXIT

Picture
Picture Mode Vivid
Brightness 73
Contrast 72
Color 62
Advanced Video
Reset Picture Settings

Adjust settings to affect picture quality.

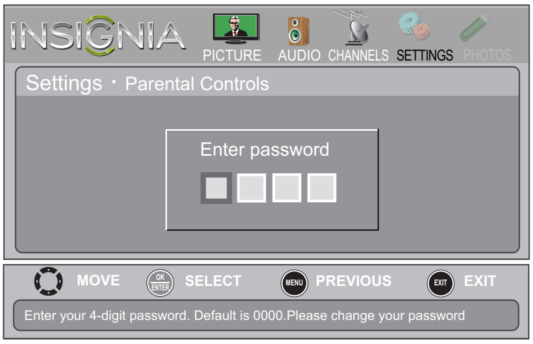
2 Press ◀ or ▶ to highlight **SETTINGS**, then press ▼ or **ENTER/↵**. The *Settings* menu opens with **Parental Controls** highlighted.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
SELECT
PREVIOUS
EXIT

Settings
Parental Controls
Closed Caption
Time
Menu Language English
Computer Settings
System Info
Reset to Default

Set TV parental controls.

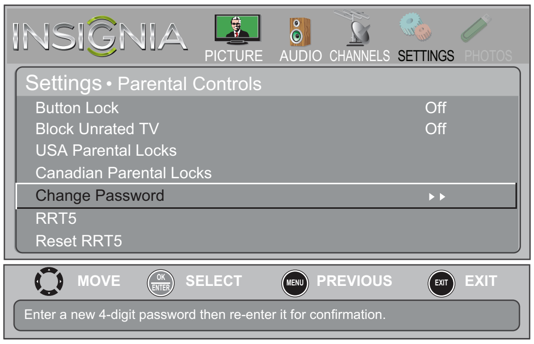
3 Press **ENTER/↵**. The *Enter password* screen opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
SELECT
PREVIOUS
EXIT

Settings · Parental Controls
Enter password

Enter your 4-digit password. Default is 0000.Please change your password

4 Press the number buttons to enter the four-digit password. The default password is **0000**. You should change the password to a number you can remember. The *Settings · Parental Controls* menu opens.

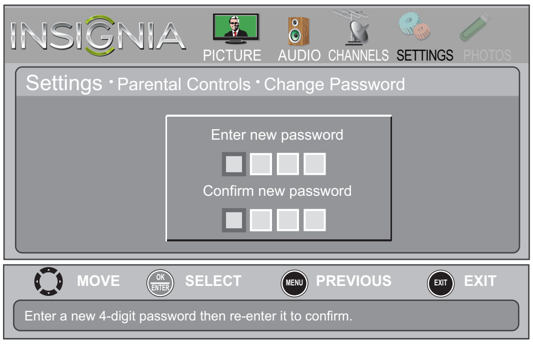

INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
SELECT
PREVIOUS
EXIT

Settings • Parental Controls

Button Lock	Off
Block Unrated TV	Off
USA Parental Locks	
Canadian Parental Locks	
Change Password	▸▸
RRT5	
Reset RRT5	

Enter a new 4-digit password then re-enter it for confirmation.

5 Press ▲ or ▼ to highlight **Change Password**, then press **ENTER/⏎**. The *Settings · Parental Controls · Change Password* screen opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
SELECT
PREVIOUS
EXIT

Settings • Parental Controls • Change Password

Enter new password

Confirm new password

Enter a new 4-digit password then re-enter it to confirm.

6 Press the number buttons to enter a password, then enter the password again.

Note

If you forget your password, enter **9999**.

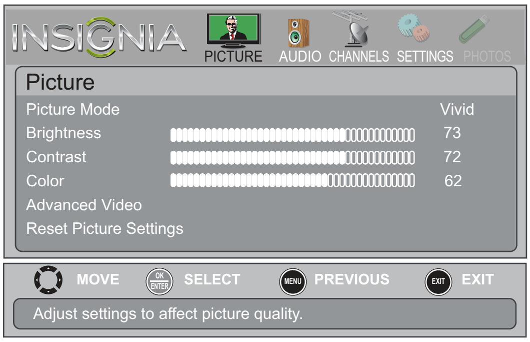
7 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Locking control buttons

When the button lock is turned **On**, the buttons on the top of your TV/DVD combo are locked, and you can only operate your TV/DVD combo using the remote control.

To lock control buttons:

1 Press **MENU**. The on-screen menu opens.

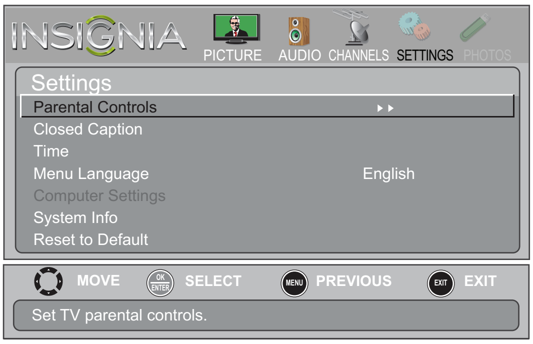

INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
SELECT
PREVIOUS
EXIT

Picture

Picture Mode	Vivid
Brightness	73
Contrast	72
Color	62
Advanced Video	
Reset Picture Settings	

Adjust settings to affect picture quality.

2 Press ◀ or ▶ to highlight **SETTINGS**, then press ▼ or **ENTER/⏎**. The *Settings* menu opens with **Parental Controls** highlighted.

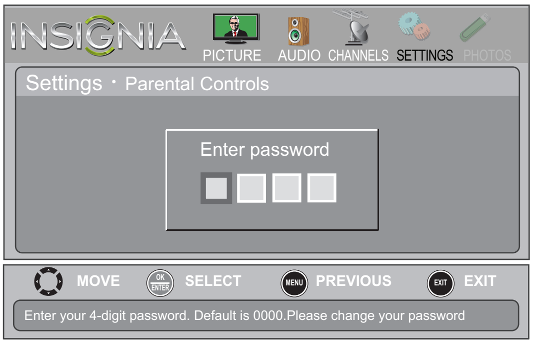

INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
SELECT
PREVIOUS
EXIT

Settings

Parental Controls	▸▸
Closed Caption	
Time	
Menu Language	English
Computer Settings	
System Info	
Reset to Default	

Set TV parental controls.

3 Press **ENTER/⏎**. The *Enter password* screen opens.

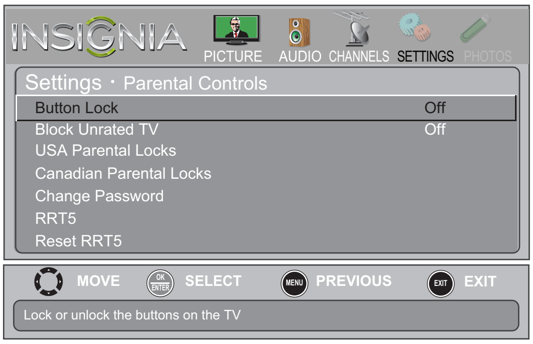

INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
SELECT
PREVIOUS
EXIT

Settings • Parental Controls

Enter password

Enter your 4-digit password. Default is 0000.Please change your password

4 Press the number buttons to enter the four-digit password. The *Settings · Parental Controls* menu opens with **Button Lock** highlighted.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
SELECT
PREVIOUS
EXIT

Settings • Parental Controls

Button Lock	Off
Block Unrated TV	Off
USA Parental Locks	
Canadian Parental Locks	
Change Password	
RRT5	
Reset RRT5	

Lock or unlock the buttons on the TV

5 Press **ENTER/⏎**.

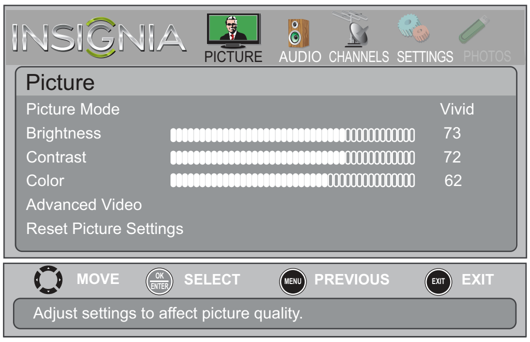
6 Press ▲ or ▼ to select **On** (locks the buttons) or **Off** (unlocks the buttons), then press **ENTER/⏎**.

7 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Blocking unrated TV

To block unrated TV:

1 Press **MENU**. The on-screen menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT

Picture

Picture Mode Vivid

Brightness 73

Contrast 72

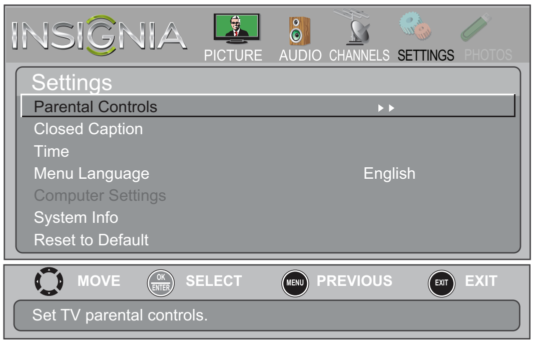
Color 62

Advanced Video

Reset Picture Settings

Adjust settings to affect picture quality.

2 Press ◀ or ▶ to highlight **SETTINGS**, then press ▼ or **ENTER/⏎**. The *Settings* menu opens with **Parental Controls** highlighted.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT

Settings

Parental Controls ▸▸

Closed Caption

Time

Menu Language English

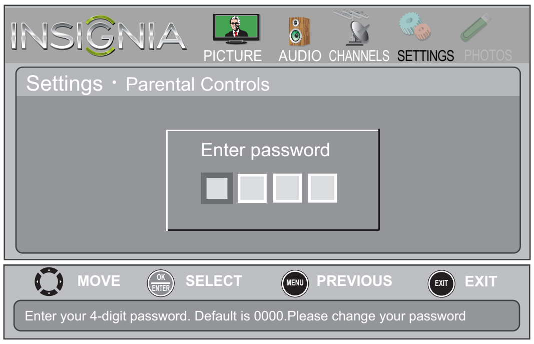
Computer Settings

System Info

Reset to Default

Set TV parental controls.

3 Press **ENTER/⏎**. The *Enter password* screen opens.

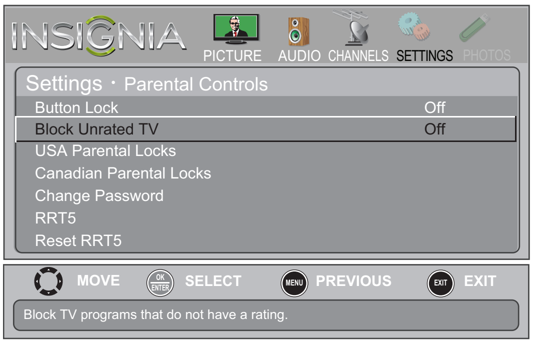

INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT

Settings · Parental Controls

Enter password

Enter your 4-digit password. Default is 0000.Please change your password

4 Press the number buttons to enter the four-digit password. The *Settings · Parental Controls* menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT

Settings · Parental Controls

Button Lock Off

Block Unrated TV Off

USA Parental Locks

Canadian Parental Locks

Change Password

RRT5

Reset RRT5

Block TV programs that do not have a rating.

5 Press ▲ or ▼ to highlight **Block Unrated TV**, then press **ENTER/⏎**.

6 Press ▲ or ▼ to select **On** (to block unrated TV) or **Off** (to unblock unrated TV), then press **ENTER/⏎**.

7 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Setting parental control levels

You can set parental controls for the U.S. and Canada.

U.S. rating levels

U.S. TV ratings	
NONE	Not rated
TV-Y	All children
TV-Y7	Suitable for children 7 and older
TV-G	General audiences
TV-PG	Parental guidance suggested
TV-14	Parental guidance strongly suggested
TV-MA	Mature audiences only

Some of the age-based TV Parental Guidelines ratings also have content-based ratings.

U.S. TV content ratings	
All	All ratings are blocked
FV	Fantasy violence
L	Strong language
S	Sexual situations
V	Violence
D	Suggestive dialog

U.S. movie (MPAA) ratings	
None	Movie not rated
G	General audiences
PG	Parental guidance suggested
PG-13	Suitable for children 13 and older
R	Parental guidance suggested for children under 17
NC-17	Not suitable for children under 17
X	Adults only

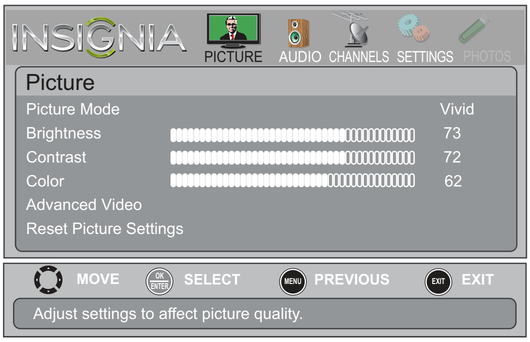
Canadian rating levels

Canadian English ratings	
E	Exempt programming
C	Suitable for all children
C8+	Suitable for children 8 and older
G	General audiences
PG	Parental guidance suggested
14+	Suitable for children 14 and older
18+	Adult only

Canadian French ratings	
E	Exempt programming
G	General audiences
8ans+	Suitable for children 8 and older
13ans+	Suitable for children 13 and older
16ans+	Suitable for children 16 and older
18ans+	Adult only

To set parental control levels:

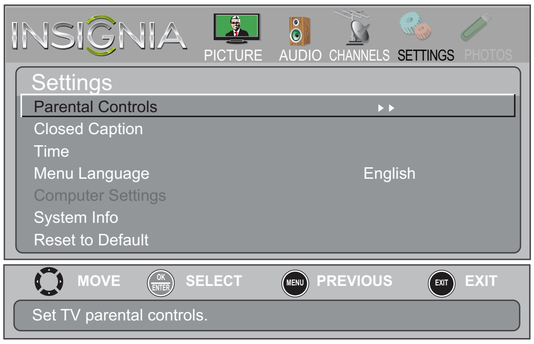
1. Press **MENU**. The on-screen menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
SELECT
PREVIOUS
EXIT

Picture
Picture Mode Vivid
Brightness 73
Contrast 72
Color 62
Advanced Video
Reset Picture Settings

Adjust settings to affect picture quality.

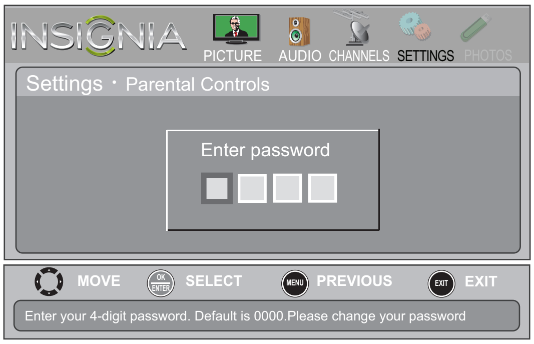
2. Press ◀ or ▶ to highlight **SETTINGS**, then press ▼ or **ENTER**/⮐. The *Settings* menu opens with **Parental Controls** highlighted.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
SELECT
PREVIOUS
EXIT

Settings
Parental Controls ▸▸
Closed Caption
Time
Menu Language English
Computer Settings
System Info
Reset to Default

Set TV parental controls.

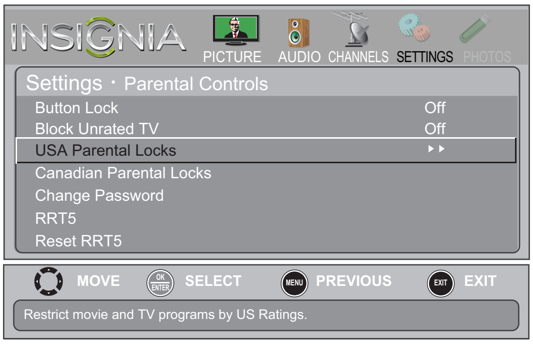
3. Press **ENTER**/⮐. The *Enter password* screen opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
SELECT
PREVIOUS
EXIT

Settings · Parental Controls
Enter password

Enter your 4-digit password. Default is 0000.Please change your password

4. Press the number buttons to enter the four-digit password. The *Settings · Parental Controls* menu opens.

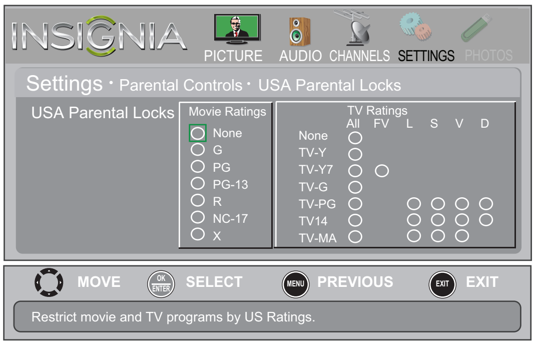

INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
SELECT
PREVIOUS
EXIT

Settings · Parental Controls
Button Lock Off
Block Unrated TV Off
USA Parental Locks ▸▸
Canadian Parental Locks
Change Password
RRT5
Reset RRT5

Restrict movie and TV programs by US Ratings.

5. Press ▲ or ▼ to highlight **USA Parental Locks**, then press **ENTER**/⮐. (To set Canadian ratings, select **Canadian Parental Locks**.)

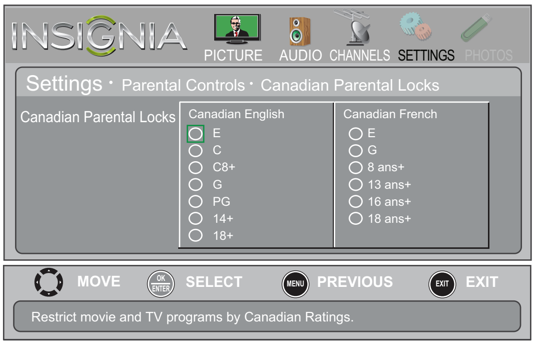
USA Parental Locks


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
Movie Ratings
None
G
PG
PG-13
R
NC-17
X
TV Ratings
All
FV
L
S
V
D
None
TV-Y
TV-Y7
TV-G
TV-PG
TV14
TV-MA
MOVE
SELECT
PREVIOUS
EXIT

Settings · Parental Controls · USA Parental Locks
USA Parental Locks

Restrict movie and TV programs by US Ratings.

Canadian Parental Locks


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
Canadian English
E
C
C8+
G
PG
14+
18+
Canadian French
E
G
8 ans+
13 ans+
16 ans+
18 ans+
MOVE
SELECT
PREVIOUS
EXIT

Settings · Parental Controls · Canadian Parental Locks
Canadian Parental Locks

Restrict movie and TV programs by Canadian Ratings.

6. Press ◀ or ▶ to highlight:
   - **Movie Rating** or **TV Rating** for USA ratings.
   - **Canadian English** or **Canadian French** for Canadian ratings.
7. Press ▲ or ▼ to select the rating. If a rating has sub-ratings, press ◀ or ▶ to highlight a sub-rating.

Note

When you block a rating, that rating and all higher ratings are blocked.

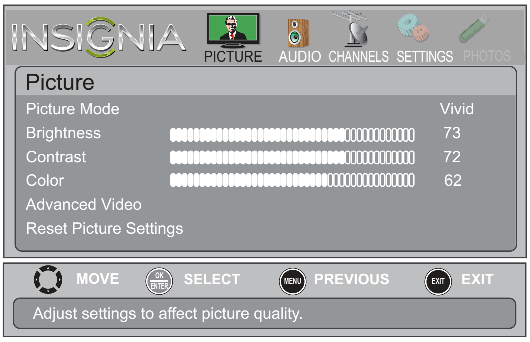
8. Press **ENTER**/⮐ to confirm. A lock symbol appears when a rating is blocked.
9. Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Downloading rating information

You can download rating information to use when setting parental controls.

To download rating information:

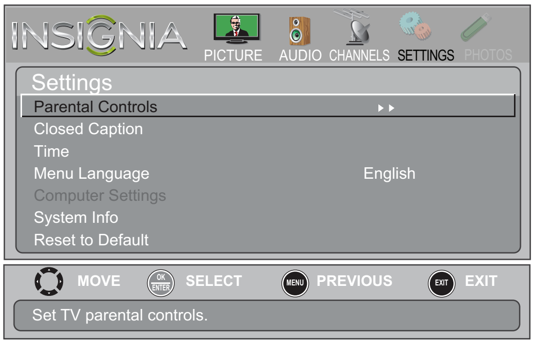
1 Press **MENU**. The on-screen menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT

Picture
Picture Mode Vivid
Brightness 73
Contrast 72
Color 62
Advanced Video
Reset Picture Settings

Adjust settings to affect picture quality.

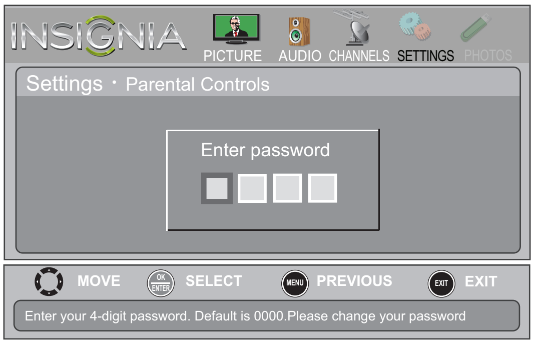
2 Press ◀ or ▶ to highlight **SETTINGS**, then press ▼ or **ENTER/⏎**. The *Settings* menu opens with **Parental Controls** highlighted.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT

Settings
Parental Controls
Closed Caption
Time
Menu Language English
Computer Settings
System Info
Reset to Default

Set TV parental controls.

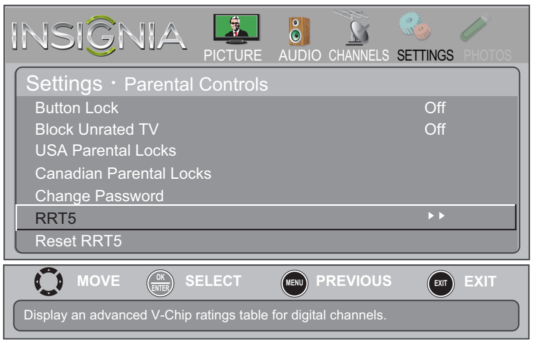
3 Press **ENTER/⏎**. The *Enter password* screen opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT

Settings · Parental Controls
Enter password

Enter your 4-digit password. Default is 0000.Please change your password

4 Press the number buttons to enter the four-digit password. The *Settings · Parental Controls* menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT

Settings · Parental Controls
Button Lock Off
Block Unrated TV Off
USA Parental Locks
Canadian Parental Locks
Change Password
RRT5
Reset RRT5

Display an advanced V-Chip ratings table for digital channels.

5 Press ▲ or ▼ to highlight **RRT5**, then press **ENTER/⏎**.

If the program is broadcast with RRT5 rating information, the information is downloaded automatically and can be used for parental controls.

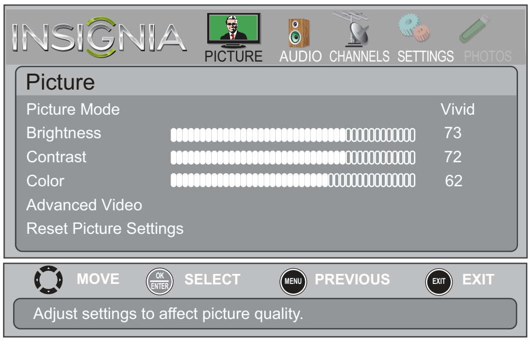
6 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Using closed captioning

Turning closed captioning on or off

To turn closed captioning on or off:

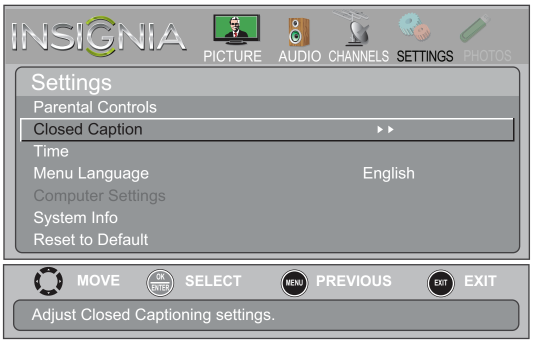
1 Press **MENU**. The on-screen menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT

Picture
Picture Mode Vivid
Brightness 73
Contrast 72
Color 62
Advanced Video
Reset Picture Settings

Adjust settings to affect picture quality.

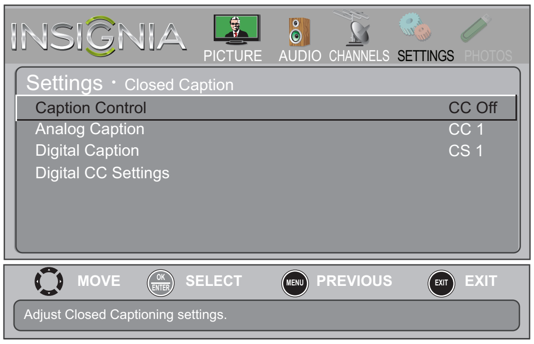
2 Press ◀ or ▶ to highlight **SETTINGS**, then press ▼ or **ENTER/⏎**. The *Settings* menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT

Settings
Parental Controls
Closed Caption
Time
Menu Language English
Computer Settings
System Info
Reset to Default

Adjust Closed Captioning settings.

3 Press ▲ or ▼ to highlight **Closed Caption**, then press **ENTER**/⏎. The *Settings · Closed Caption* menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
SELECT
PREVIOUS
EXIT

Settings · Closed Caption

Caption Control	CC Off
Analog Caption	CC 1
Digital Caption	CS 1
Digital CC Settings	

Adjust Closed Captioning settings.

4 Press ▲ or ▼ to highlight **Caption Control**, then press **ENTER**/⏎. A menu opens.

5 Press ▲ or ▼ to select **CC Off** (turns off closed captioning), **CC On** (turns on closed captioning), or **CC On When Mute** (turns on closed captioning when the sound is muted), then press **ENTER**/⏎.

6 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

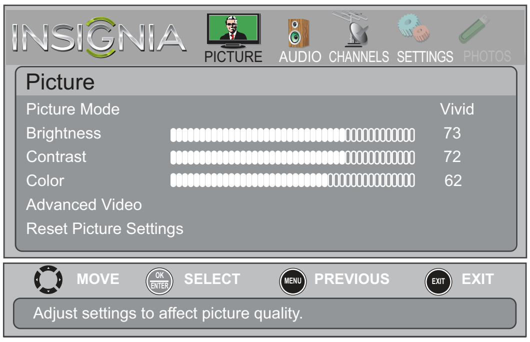
Note

You can also press **CCD** to turn closed captioning on or off.

Selecting the analog closed captioning mode

To select the analog closed captioning mode:

1 Press **MENU**. The on-screen menu opens.

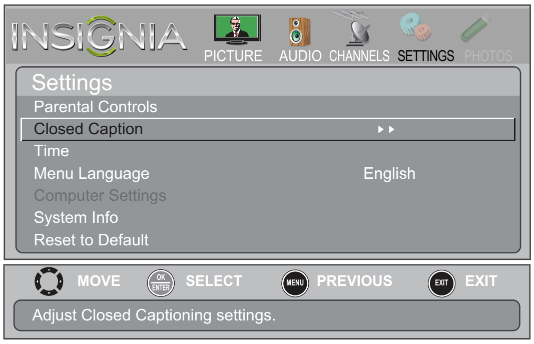

INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
SELECT
PREVIOUS
EXIT

Picture

Picture Mode	Vivid
Brightness	73
Contrast	72
Color	62
Advanced Video	
Reset Picture Settings	

Adjust settings to affect picture quality.

2 Press ◀ or ▶ to highlight **SETTINGS**, then press ▼ or **ENTER**/⏎. The *Settings* menu opens.

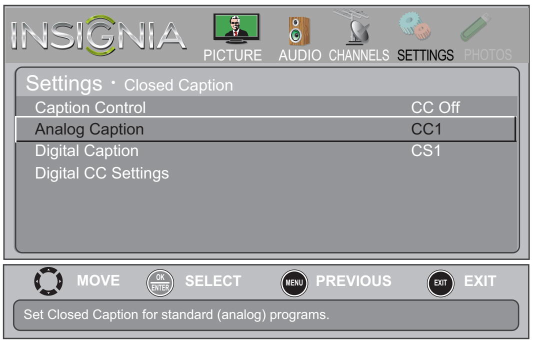

INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
SELECT
PREVIOUS
EXIT

Settings

Parental Controls	
Closed Caption	▸▸
Time	
Menu Language	English
Computer Settings	
System Info	
Reset to Default	

Adjust Closed Captioning settings.

3 Press ▲ or ▼ to highlight **Closed Caption**, then press **ENTER**/⏎. The *Settings · Closed Caption* menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
SELECT
PREVIOUS
EXIT

Settings · Closed Caption

Caption Control	CC Off
Analog Caption	CC1
Digital Caption	CS1
Digital CC Settings	

Set Closed Caption for standard (analog) programs.

4 Press ▲ or ▼ to highlight **Analog Caption**, then press **ENTER**/⏎. A menu opens.

5 Press ▲ or ▼ to select an analog caption setting, then press **ENTER**/⏎. You can select:

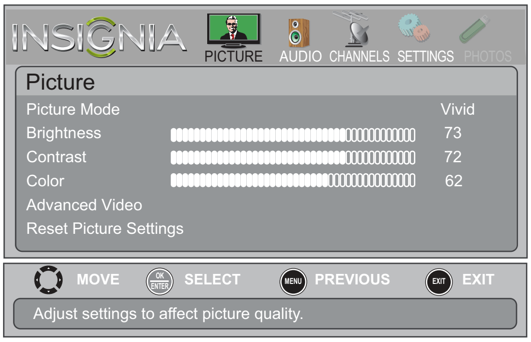
- **CC1** through **CC4**—Closed captioning appears in a small banner across the bottom of the screen. **CC1** is usually the "printed" version of the audio. **CC2** through **CC4** display content provided by the broadcaster.
- **Text1** through **Text4**—Closed captioning covers half or all of the screen. **Text1** through **Text4** display content provided by the broadcaster.

6 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Customizing digital closed captioning styles

To customize digital closed captioning styles:

1 Press **MENU**. The on-screen menu opens.

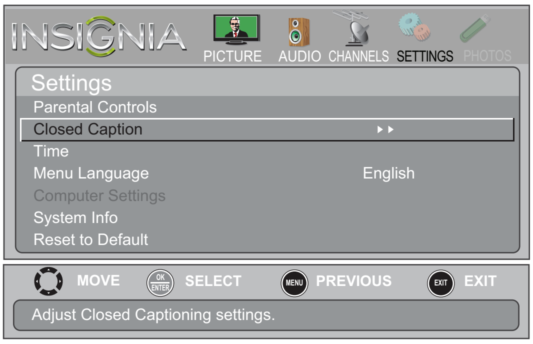

INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
SELECT
PREVIOUS
EXIT

Picture

Picture Mode	Vivid
Brightness	73
Contrast	72
Color	62
Advanced Video	
Reset Picture Settings	

Adjust settings to affect picture quality.

2 Press ◀ or ▶ to highlight **SETTINGS**, then press ▼ or **ENTER**/⏎. The *Settings* menu opens.

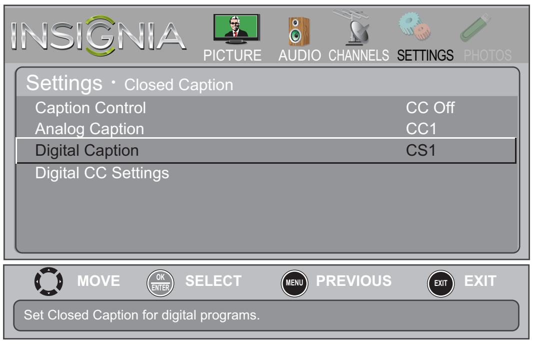

INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
SELECT
PREVIOUS
EXIT

Settings

Parental Controls	
Closed Caption	▸▸
Time	
Menu Language	English
Computer Settings	
System Info	
Reset to Default	

Adjust Closed Captioning settings.

3. Press ▲ or ▼ to highlight **Closed Caption**, then press **ENTER/⏎**. The *Settings · Closed Caption* menu opens.

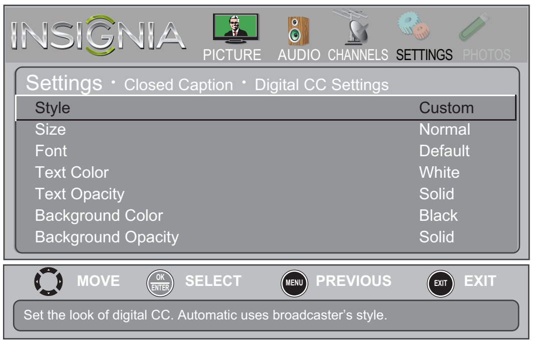

PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT
EXIT

Settings · Closed Caption

Caption Control	CC Off
Analog Caption	CC1
Digital Caption	CS1
Digital CC Settings	

Set Closed Caption for digital programs.

4. Press ▲ or ▼ to highlight **Digital Caption**, then press **ENTER/⏎**. A menu opens.
5. Press ▲ or ▼ to highlight a digital caption setting, then press **ENTER/⏎**. You can select **CS1** through **CS6** and **CC1** through **CC4**.
6. Press ▲ or ▼ to highlight **Digital CC Settings**, then press **ENTER/⏎**. The *Settings · Closed Caption · Digital CC Settings* menu opens with **Style** highlighted.


PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT
EXIT

Settings · Closed Caption · Digital CC Settings

Style	Custom
Size	Normal
Font	Default
Text Color	White
Text Opacity	Solid
Background Color	Black
Background Opacity	Solid

Set the look of digital CC. Automatic uses broadcaster's style.

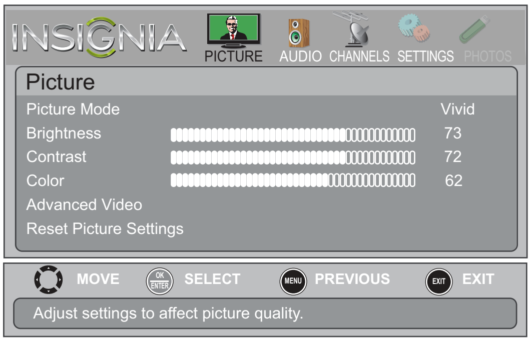
7. Press **ENTER/⏎**, press ▲ or ▼ to select **Custom**, then press **ENTER/⏎** again.
8. Press ▲ or ▼ to highlight an option, then press **ENTER/⏎**. You can select:
   - **Size**—Selects the font size.
   - **Font**—Selects the font style.
   - **Text Color**—Selects the color for the words.
   - **Text Opacity**—Selects the opacity level for the words.
   - **Background Color**—Selects the color for the background.
   - **Background Opacity**—Selects the opacity level for the background.
9. Press ▲ or ▼ to select a setting, then press **ENTER/⏎**. Repeat this step to adjust other options.
10. Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Adjusting time settings

Setting the clock

To set the clock:

1. Press **MENU**. The on-screen menu opens.

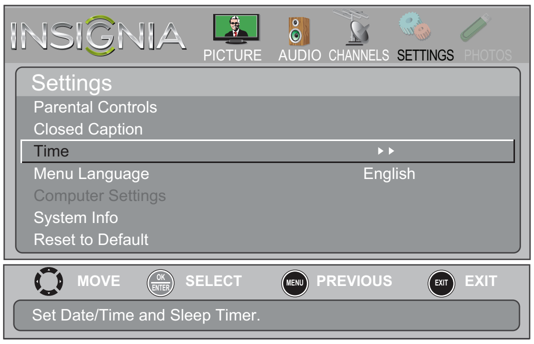

PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT
EXIT

Picture

Picture Mode	Vivid
Brightness	73
Contrast	72
Color	62
Advanced Video	
Reset Picture Settings	

Adjust settings to affect picture quality.

2. Press ◀ or ▶ to highlight **SETTINGS**, then press ▼ or **ENTER/⏎**. The *Settings* menu opens.

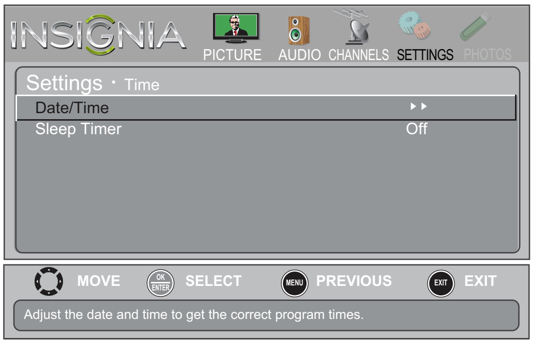

PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT
EXIT

Settings

Parental Controls	
Closed Caption	
Time	▸▸
Menu Language	English
Computer Settings	
System Info	
Reset to Default	

Set Date/Time and Sleep Timer.

3. Press ▲ or ▼ to highlight **Time**, then press **ENTER/⏎**. The *Settings · Time* menu opens.

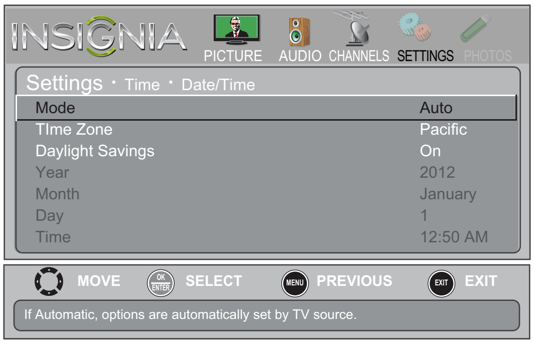

PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT
EXIT

Settings · Time

Date/Time	▸▸
Sleep Timer	Off

Adjust the date and time to get the correct program times.

4 Press ▲ or ▼ to highlight **Date/Time**, then press **ENTER/**⏎. The *Settings · Time · Date/Time* menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT
EXIT

Settings · Time · Date/Time

Mode	Auto
Time Zone	Pacific
Daylight Savings	On
Year	2012
Month	January
Day	1
Time	12:50 AM

If Automatic, options are automatically set by TV source.

5 Press ▲ or ▼ to highlight **Mode**, then press **ENTER/**⏎. A menu opens.

6 Press ▲ or ▼ to highlight **Manual** (to set the options manually) or **Auto** (the options are automatically set by the TV signal source).

7 Press **ENTER/**⏎ to close the menu.

8 Press ▲ or ▼ to highlight **Time Zone**, then press **ENTER/**⏎.

9 Press ▲ or ▼ to select your time zone, then press **ENTER/**⏎. You can select **Eastern**, **Central**, **Mountain**, **Pacific**, **Alaska**, **Hawaii**, **Atlantic** or **Newfoundland**.

10 If your viewing area observes daylight savings time, press ▲ or ▼ to highlight **Daylight Savings**, then press **ENTER/**⏎.

11 Press ▲ or ▼ to select **On** or **Off**, then press **ENTER/**⏎ to close the menu.

12 If you selected **Manual** for **Mode**:

- Press ▲ or ▼ to highlight **Year**, **Month**, or **Day**, then press ◀ or ▶ to adjust the setting, then press **ENTER/**⏎.
- Press ▲ or ▼ to highlight **Time**, press ◀ or ▶ to highlight the hour, minute, or AM/PM field, then press ▲ or ▼ to adjust the setting. When you are finished, press **ENTER/**⏎.

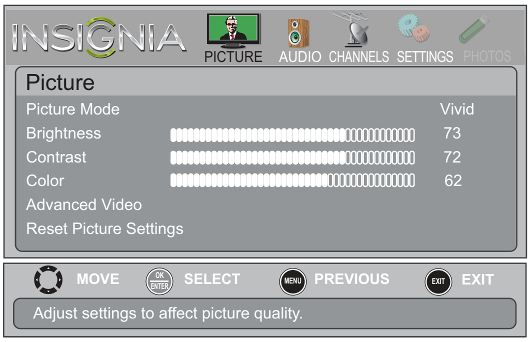
13 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Setting the sleep timer

You can specify the amount of time before your TV/DVD combo automatically turns off.

To set the sleep timer:

1 Press **MENU**. The on-screen menu opens.

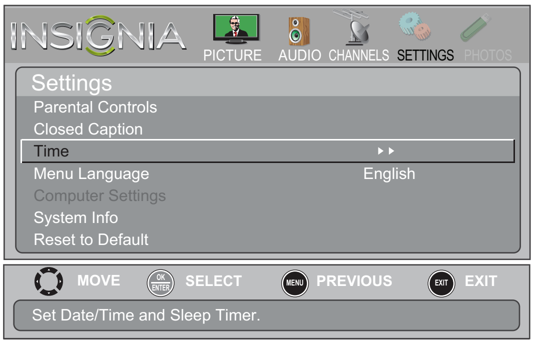

INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT
EXIT

Picture

Picture Mode	Vivid
Brightness	73
Contrast	72
Color	62
Advanced Video	
Reset Picture Settings	

Adjust settings to affect picture quality.

2 Press ◀ or ▶ to highlight **SETTINGS**, then press ▼ or **ENTER/**⏎. The *Settings* menu opens.

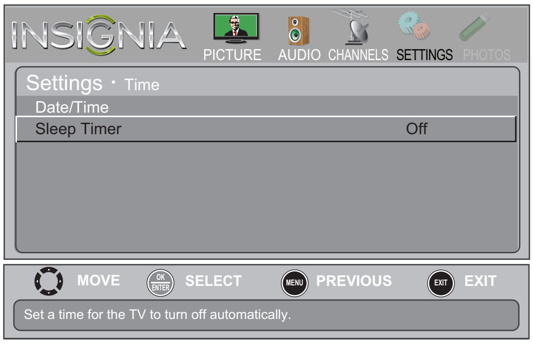

INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT
EXIT

Settings

Parental Controls	
Closed Caption	
Time	▸▸
Menu Language	English
Computer Settings	
System Info	
Reset to Default	

Set Date/Time and Sleep Timer.

3 Press ▲ or ▼ to highlight **Time**, then press **ENTER/**⏎. The *Settings · Time* menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT
EXIT

Settings · Time

Date/Time	
Sleep Timer	Off

Set a time for the TV to turn off automatically.

4 Press ▲ or ▼ to highlight **Sleep Timer**, then press **ENTER/**⏎.

5 Press ▲ or ▼ to select the amount of time before your TV/DVD combo turns off automatically, then press **ENTER/**⏎. You can select **Off**, **5**, **10**, **15**, **30**, **60**, **90**, **120**, **180**, or **240** minutes.

To turn off the sleep timer, select **Off**.

6 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Note

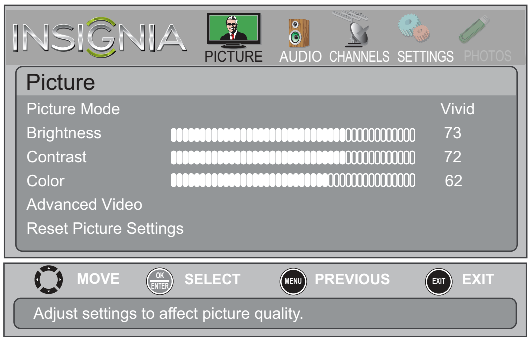
You can also press **SLEEP/**zZz to set the sleep timer.

Adjusting menu settings

Selecting the menu language

To select the menu language:

1 Press **MENU**. The on-screen menu opens.

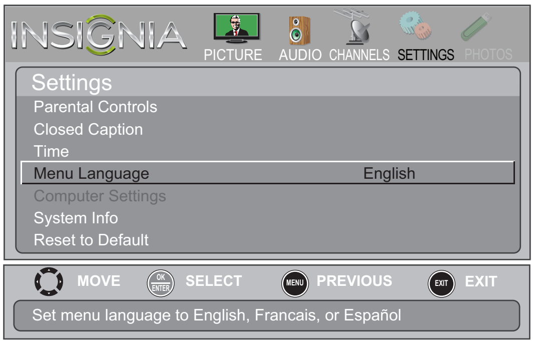

INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
MOVE
OK ENTER
SELECT
MENU
PREVIOUS
EXIT
EXIT

Picture

Picture Mode	Vivid
Brightness	73
Contrast	72
Color	62
Advanced Video	
Reset Picture Settings	

Adjust settings to affect picture quality.

2 Press ◀ or ▶ to highlight **SETTINGS**, then press ▼ or **ENTER/⏎**. The *Settings* menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
Settings
Parental Controls
Closed Caption
Time
Computer Settings
System Info
Reset to Default
MOVE
SELECT
PREVIOUS
EXIT

Menu Language English

Set menu language to English, Francais, or Español

3 Press ▲ or ▼ to highlight **Menu Language**, then press **ENTER/⏎**.

4 Press ▲ or ▼ to highlight a language, then press **ENTER/⏎**. You can select **English**, **Français**, or **Español**.

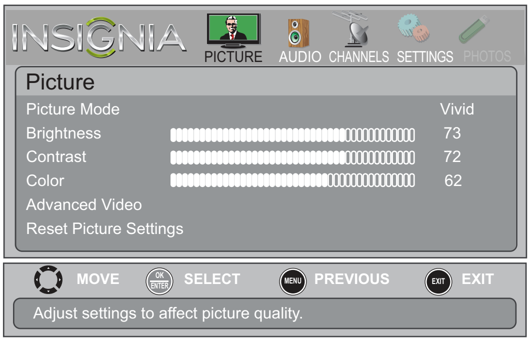
5 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Restoring settings to the defaults

When you restore default settings, all the settings you have customized (except the password and parental rating) are reset.

To restore settings to the defaults:

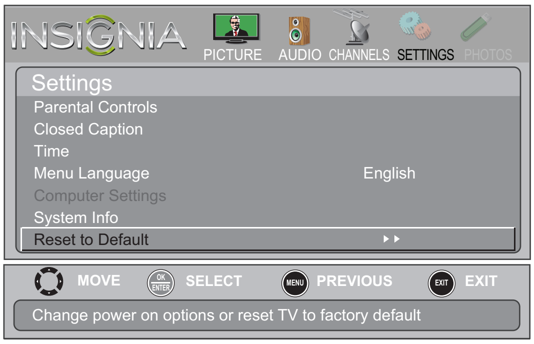
1 Press **MENU**. The on-screen menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
Picture
Advanced Video
Reset Picture Settings
MOVE
SELECT
PREVIOUS
EXIT

Picture Mode Vivid
Brightness 73
Contrast 72
Color 62

Adjust settings to affect picture quality.

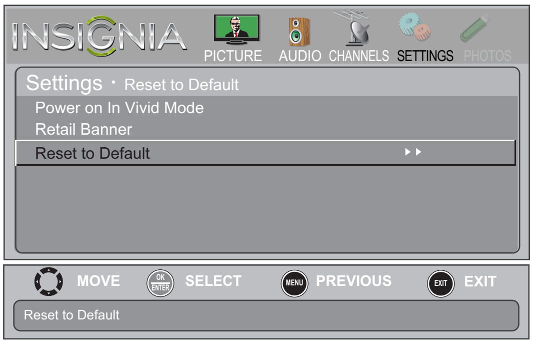
2 Press ◀ or ▶ to highlight **SETTINGS**, then press ▼ or **ENTER/⏎**. The *Settings* menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
Settings
Parental Controls
Closed Caption
Time
Computer Settings
System Info
Reset to Default
MOVE
SELECT
PREVIOUS
EXIT

Menu Language English

Change power on options or reset TV to factory default

3 Press ▲ or ▼ to highlight **Reset to Default**, then press **ENTER/⏎**. The *Settings · Reset to Default* menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
Settings · Reset to Default
Power on In Vivid Mode
Retail Banner
Reset to Default
MOVE
SELECT
PREVIOUS
EXIT

Reset to Default

4 Press ▲ or ▼ to highlight **Reset to Default**, then press **ENTER/⏎**. A menu opens.

5 Press ◀ or ▶ to select **YES** (to reset) or **NO** (to not reset), then press **ENTER/⏎**.

6 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Using a USB flash drive

You can connect a USB flash drive to your TV/DVD combo to view compatible JPEG pictures.

Notes

- Never remove the USB flash drive or turn off your TV/DVD combo while viewing JPEG pictures.
- The JPEG picture viewer only supports JPEG format images (with ".jpg" file extensions) and not all JPEG files are compatible with your TV/DVD combo.
- The USB flash drive must less than 2.2 inches (55 mm) in length. A longer flash drive will not fit.

Switching to USB mode

To switch to USB mode:

1 Make sure that you have connected the USB flash drive to the USB port on your TV/DVD combo.

2 Press **INPUT**. The *Input Source* list opens.

3 Press ▲ or ▼ to highlight **USB (Photos)**, then press **ENTER/⏎**.

Note

To exit USB mode, press **INPUT** to open the *Input Source* list, then select another input source.

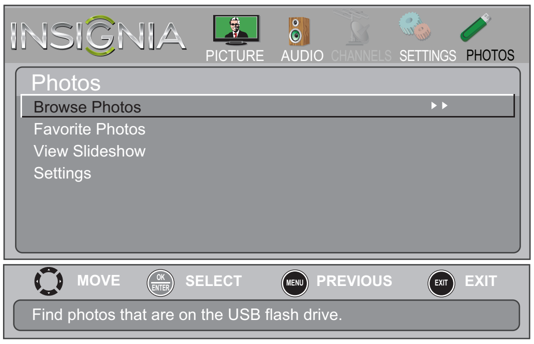
Browsing photos

To browse photos:

1 Switch to USB mode. See "Switching to USB mode" on page 37. The on-screen menu opens with the *Photos* menu displayed.

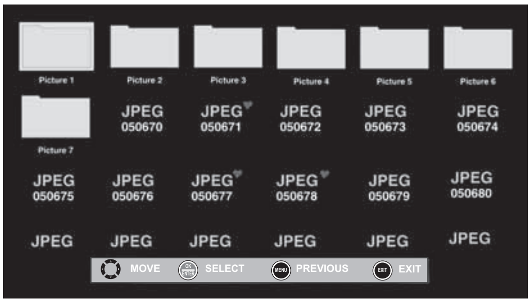
Note

You can also press **MENU** to open the *Photos* menu.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
Photos
Browse Photos
Favorite Photos
View Slideshow
Settings
MOVE
SELECT
PREVIOUS
EXIT

Find photos that are on the USB flash drive.

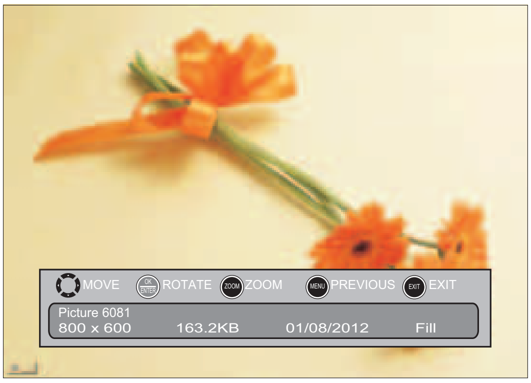
2 Press ▲ or ▼ to highlight **Browse Photos**, then press **ENTER**/⏎. The screen displays folder names and photo files stored on the USB flash drive in a thumbnail index with the first photo or folder highlighted. A control bar appears at the bottom of the screen.


Picture 1
Picture 2
Picture 3
Picture 4
Picture 5
Picture 6
Picture 7
JPEG 050670
JPEG 050671
JPEG 050672
JPEG 050673
JPEG 050674
JPEG 050675
JPEG 050676
JPEG 050677
JPEG 050678
JPEG 050679
JPEG 050680
JPEG
JPEG
JPEG
JPEG
JPEG
JPEG
MOVE
SELECT
PREVIOUS
EXIT

3 To navigate the thumbnail index screen, press:

- ▲ ▼ ◀ or ▶ to browse through the files and folders.
- **ENTER**/⏎ to view a highlighted photo full-screen or open a highlighted folder.
- **MENU** to open the *Photos* menu.
- **FAV** to add or remove a photo from the favorite photo list. A heart appears on a photo that has been added to the favorite photo list.

When a photo is displayed full-screen, a control bar appears at the bottom of the photo. The file name, picture resolution, size, and date are displayed on the bottom of the control bar. If you do not press a button within 10 seconds, the control bar closes. Press **INFO**/*i* to open the control bar again.


MOVE
ROTATE
ZOOM
PREVIOUS
EXIT

Picture 6081
800 x 600 163.2KB 01/08/2012 Fill

4 To navigate on the photo screen, press:

- ◀ to go to the previous photo.
- ▶ to go to the next photo.
- **ENTER**/⏎ to rotate the photo clockwise.
- **ZOOM**/⬄ one or more times to enlarge the image by 2×, or 4× or select **Fill** (to fill the screen). You can press ▲ ▼ ◀ or ▶ to pan the photo.
- **EXIT** to return to the thumbnail index.
- **MENU** to return to the *Photos* menu.

Viewing favorite photos

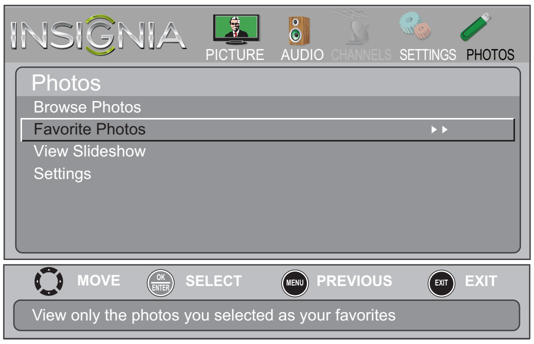
After you created your favorite photo list, you can browse among your favorite photos quickly.

To view favorite photos:

1 Switch to USB mode. See "Switching to USB mode" on page 37. The on-screen menu opens with the *Photos* menu displayed.

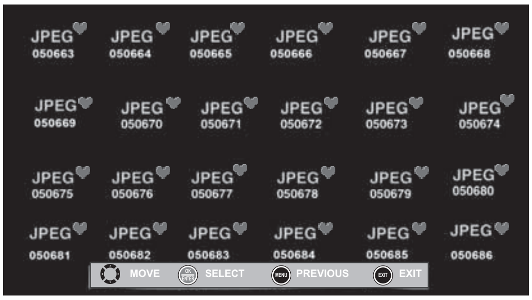
Note

You can also press **MENU** to open the *Photos* menu.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
Photos
Browse Photos
Favorite Photos
View Slideshow
Settings
MOVE
SELECT
PREVIOUS
EXIT

View only the photos you selected as your favorites

2. Press ▲ or ▼ to highlight **Favorite Photos**, then press **ENTER**/⏎. A thumbnail index of your favorite photos opens with a control bar at the bottom of the screen.


JPEG 050663
JPEG 050664
JPEG 050665
JPEG 050666
JPEG 050667
JPEG 050668
JPEG 050669
JPEG 050670
JPEG 050671
JPEG 050672
JPEG 050673
JPEG 050674
JPEG 050675
JPEG 050676
JPEG 050677
JPEG 050678
JPEG 050679
JPEG 050680
JPEG 050681
JPEG 050682
JPEG 050683
JPEG 050684
JPEG 050685
JPEG 050686
MOVE
SELECT
PREVIOUS
EXIT

You select photos and navigate on the photo screen in the same way you do when you are browsing through photos. For more information, see "Browsing photos" on page 38.

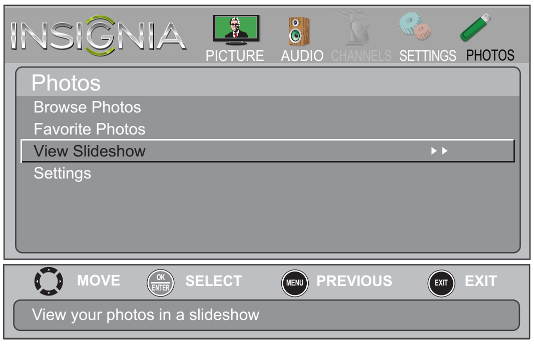
Viewing photos in a slideshow

You can view your photos in a slideshow.

To view photos in a slideshow:

1. Switch to USB mode. See "Switching to USB mode" on page 37. The on-screen menu opens with the *Photos* menu displayed.

> **Note**
>
> You can also press **MENU** to open the *Photos* menu.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
Photos
Browse Photos
Favorite Photos
View Slideshow
Settings
MOVE
SELECT
PREVIOUS
EXIT

View your photos in a slideshow

2. Press ▲ or ▼ to highlight **View Slideshow**, then press **ENTER**/⏎. A slideshow starts with the first photo in the current folder.
3. To control the slideshow, press:
   - **ENTER**/⏎ to pause or start the slideshow.
   - **EXIT** to exit the slideshow and return to thumbnail index.
   - **MENU** to go to the *Photos* menu.

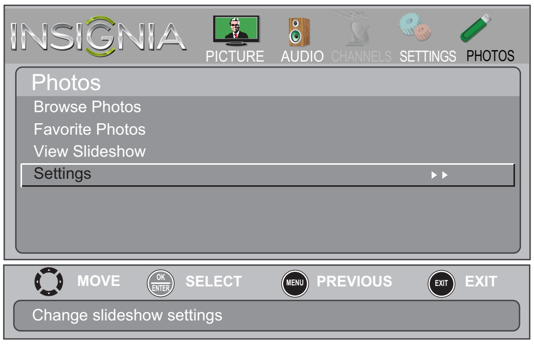
Customizing slideshow settings

You can customize the slideshow settings, including **Repeat**, **Shuffle**, **Speed**, and **Transition**.

To customize slideshow settings:

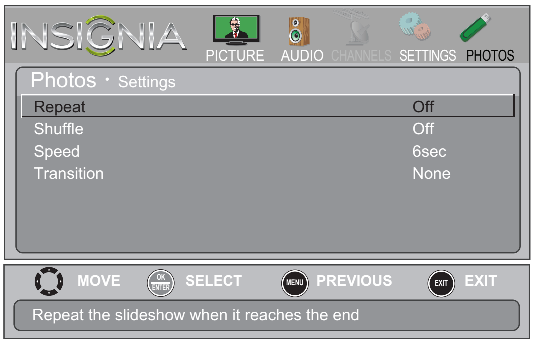
1. Switch to USB mode. See "Switching to USB mode" on page 37. The on-screen menu opens with the *Photos* menu displayed.

> **Note**
>
> You can also press **MENU** to open the *Photos* menu.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
Photos
Browse Photos
Favorite Photos
View Slideshow
Settings
MOVE
SELECT
PREVIOUS
EXIT

Change slideshow settings

2. Press ▲ or ▼ to highlight **SETTINGS**, then press **ENTER**/⏎. The *Photos · Settings* menu opens.


INSIGNIA
PICTURE
AUDIO
CHANNELS
SETTINGS
PHOTOS
Photos · Settings
MOVE
SELECT
PREVIOUS
EXIT

Repeat	Off
Shuffle	Off
Speed	6sec
Transition	None

Repeat the slideshow when it reaches the end

3. Press ▲ or ▼ to highlight an option, then press **ENTER**/⏎. You can select:
   - **Repeat**—Repeats the slideshow when it reaches the end. You can select **On** or **Off**.
   - **Shuffle**—Displays the slideshow photos in random order. You can select **On** or **Off**.
   - **Speed**—Sets the amount of time a photo is displayed before the slideshow moves to the next photo. You can select **4 sec**, **6 sec**, or **8 sec**.
   - **Transition**—Selects the way photos transition when moving to the next file in the slideshow. You can select:
     - **None**—No transition effect.
     - **Fade to Black**—Fades the screen to black between photos.
     - **Vertical Wipe**—Wipes the screen from left to right between photos.
     - **Horizontal Wipe**—Wipes the screen from top to bottom between photos.
     - **Random**—Randomly selects a transition effect.
4. Press **EXIT** to close the menu.

Using the DVD player

Most DVDs and your TV/DVD combo have region codes that help control illegal distribution of DVDs. The region code for your TV/DVD combo is **1**. You can only play DVDs with a region code of **1** or **ALL**. The region code for a DVD is printed on the DVD or the DVD packaging. See “DVD player” on page 46 for a list of compatible disc formats.

Warning

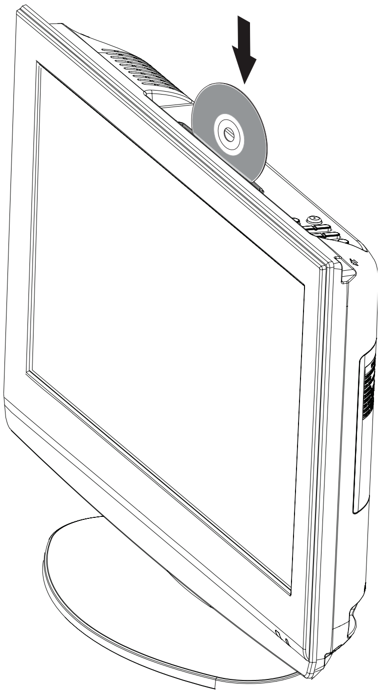
Keep your fingers clear of the disc slot when loading or unloading a disc. Neglecting to do so may cause serious personal injury.

Playing a disc

To play a disc:

1 Press ⏻ (power) to turn on your TV/DVD combo.

2 Insert a disc into the disc slot with the label facing forward.



Your TV/DVD combo automatically switches to DVD mode and displays the *Loading* screen for a few seconds.

Loading...
DVD
VIDEO™

If you inserted a DVD or video CD and the disc has a root menu, this menu is displayed. Use ▲ ▼ ◀ ▶ to select menu options. If the disc does not have a root menu, playback starts automatically.

OR

If you inserted an audio CD, a file browser screen is displayed and playback starts automatically.

Controlling disc playback

To control disc playback:

- Press **VOL+** or **VOL–** to adjust the volume.
- Press ▶II (play/pause) to pause playback. Press again to resume playback.
- Press ⏮ (skip back) to go to the previous chapter or track. Press ⏭ (skip forward) to go to the next chapter or track.
- Press ◀◀ (fast reverse) to quickly move backward on a disc. Press ▶▶ (fast forward) to quickly move forward on a disc. Each time you press one of these buttons, the speed changes. Speeds are 2×, 4×, 8×, 16×, and 32×. Press ▶II (play/pause) to resume normal playback.
- Press ■ (stop) once to stop playback. Press ▶II (play/pause) to resume playback from the stopping point.
- Press ■ (stop) twice to completely stop playback. When you press ▶II (play/pause), playback starts at the beginning of the disc.

Ejecting a disc

To eject a disc:

- Press ⏏ (eject). When your TV/DVD combo ejects the disc, remove the disc from the disc slot.

Creating a playback loop

To create a playback loop:

1 Play the disc until you reach the point where you want the playback loop to start, then press **A-B**.

2 Continue playing the disc until you reach the point where you want the playback loop to end, then press **A-B**. Your TV/DVD combo plays the loop repeatedly.

3 Press **A-B** to cancel the playback loop and resume normal playback.

Repeating a disc title, chapter, or track

To repeat a disc title, chapter, or track:

- Press **REPEAT** one or more times.
  - For a DVD, you can select **Chapter**, **Title**, or **All**.
  - For a CD, you can select **Track** or **All**.

Changing DVD settings:

To change DVD settings:

1 In DVD mode, press **HOME**. The on-screen menu opens.

2 Press ▲ or ▼ to select a menu, then press **ENTER/⏎** or ▶. The menu opens.

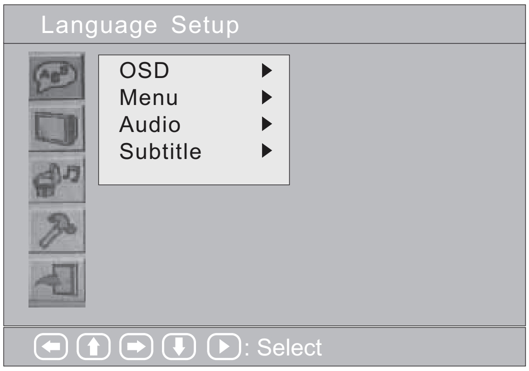
3 Press ▲ or ▼ to select an option, then press **ENTER/⏎** or ▶ to access the settings.

4 Press ▲ or ▼ to select a setting, then press **ENTER**/⏎.

5 To close the on-screen menu, press ▲ or ▼ to select **Exit Setup Mode**, then press **ENTER**/⏎.

On-screen DVD menus

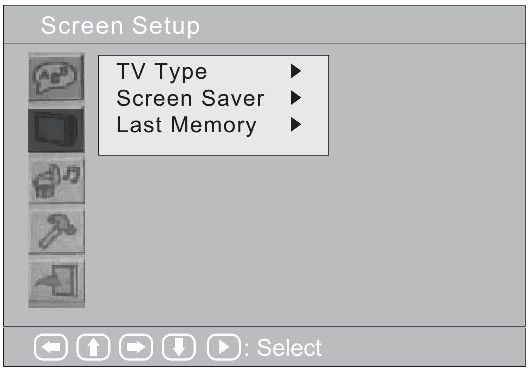
Language setup menu



Language setup menu options:

- **OSD**—Selects menu language of DVD mode. You can select **English**, **French**, or **Spanish**.
- **Menu**—Selects the menu language for the DVD disc. You can select **English**, **French**, or **Spanish**. (The supported languages depends on the DVD.)
- **Audio**—Selects the DVD audio language. You can select **English**, **French**, or **Spanish**. (The supported languages depends on the DVD.)
- **Subtitle**—Selects the DVD subtitle language. You can select **English**, **French**, **Spanish**, or **Off**. (The supported languages depends on the DVD.)

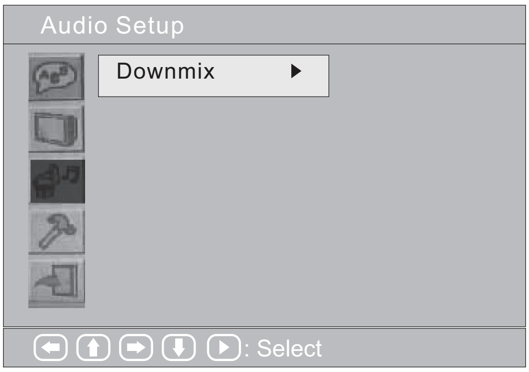
Screen setup menu



Screen setup menu options:

- **TV Type**—Selects the aspect ratio of the DVD playback. You can select:
  - **4:3 PS**—Displays at 4:3 pan scan. Black bars appear on the top and bottom of the image.
  - **4:3 LB**—Displays at 4:3 letter box. The image is stretched to fill the screen.
  - **16:9**—Displays at 16:9 aspect ratio. Select this option to view DVDs that were recorded in wide-screen format.
- **Screen Saver**—Sets the TV to energy saving mode when there is no operation or no DVD disc is inserted in DVD mode. You can select **On** or **Off**. If you select **On**, a screen saver appears on the screen.
- **Last Memory**—Lets DVD playback resume at the point where you stopped playback and turned your TV/DVD combo off. You can select **On** or **Off**.

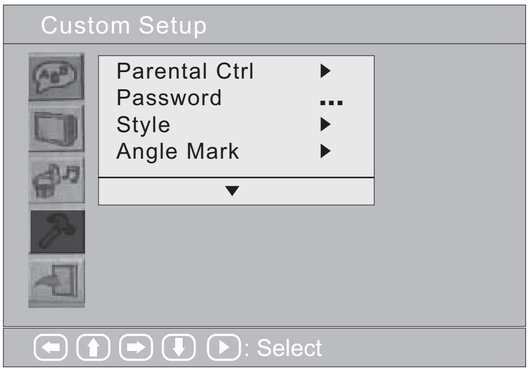
Audio setup menu



Audio setup menu option:

- **Downmix**—Selects the audio downmix mode for external speakers. You can select:
  - **Lo/Ro**—Provides a stereo mix of sound from the center, front left, and front right speakers.
  - **Lt/Rt**—Provides a surround-sound mix of sound from the center, front left, front right, rear left, and rear right speakers.

Custom setup menu



Custom setup menu options:

- **Parental Ctrl**—Sets viewing restrictions based on disc content. You can select **KidSafe**, **G**, **PG**, **PG-13**, **PG-R**, **R**, **NC-17**, **Adult**, or **Off**.

  Hightlight **Parental Ctrl**, then press **ENTER**/⏎ You are prompted to enter your password. Enter your password, then press **ENTER**/⏎ to access the menu options.

> **Tip**
>
> If you try to watch a DVD that is restricted, you are prompted to enter your password to bypass the parental controls. Enter your password.
>
> Parental controls are reset when you:
>
> - Turn off your TV/DVD combo
> - Remove the disc
> - Switch to another video input source

- **Password**—Sets the password for the parental control setting.

  To change the password, enter the old (default) password, then enter the new password twice. The default password is **0000**.

Note

If you forget your password, enter **9922**.

- **Style**—Selects the background color of the on-screen menu in DVD mode. You can choose one of four styles: **Style1**, **Style2**, **Style3**, **Style4**.
- **Angle Mark**—This option is not available on this model.
- **Default**—Resets DVD settings to factory default.

Maintaining

- Do not use your TV/DVD combo in areas that are too hot or too cold, because the cabinet may warp or the screen may malfunction. Your TV/DVD combo works best in temperatures that are comfortable to you.
- Storage temperatures are 32° to 122°F (0° to 50°C).
- Working temperatures are 41° to 104°F (5° to 40°C).
- Do not place your TV/DVD combo in direct sunlight or near a heat source.

Cleaning the TV cabinet

Clean the cabinet with a soft, lint-free cloth. If the cabinet is especially dirty, moisten a soft, lint-free cloth in a weak detergent solution, squeeze the excess moisture from the cloth, then wipe the cabinet with the cloth. Use a clean cloth to dry the cabinet.

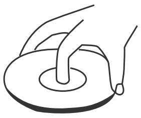
Cleaning the TV screen

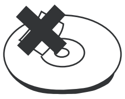
Clean the screen with a soft, lint-free cloth.

Care and handling of discs

Handling discs

Do not touch the playback side of the disc. Hold the disc by the edges so that fingerprints do not get on the surface. Never stick paper or tape on the disc.



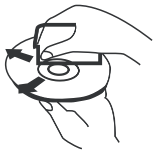


Storing discs

After playing, store the disc in its case. Do not expose the disc to direct sunlight or sources of heat and never leave it in a parked car exposed to direct sunlight.

Cleaning discs

Fingerprints and dust on the disc can cause poor picture quality and sound distortion. Before playing, clean the disc with a clean cloth. Wipe the disc from the center out.



Troubleshooting

Warning

Do not try to repair your TV/DVD combo yourself. Contact authorized service personnel.

Video and audio

Problem	Solution
Picture does not fill the screen. There are black bars around the picture.	• Change the aspect ratio. An increasing amount of digital TV and movies are presented in wide screen (16:9). See "Aspect ratio options" on page 23.
No picture (screen is not lit) and no sound.	• Press ⏻ on the TV/DVD combo or the remote control. • Make sure that the video cables are connected securely to your TV/DVD combo. • Adjust the contrast and brightness. See "Adjusting the TV picture" on page 23. • Make sure that the power cord is plugged in. • Make sure that the correct video input source is selected. See "Selecting the video input source" on page 21. • Try another channel. The station may be experiencing problems. • Make sure that the incoming signal is compatible. • Make sure that the antenna or cable TV is connected correctly and securely. See "Connecting a cable or satellite box" on page 9 or "Connecting an antenna or cable TV (no box)" on page 12. • Check the closed caption settings. Some TEXT modes can block the screen.

Problem	Solution
Dark, poor, or no picture (screen is lit), but sound is good.	• Try another channel. The station may be experiencing problems. • Make sure that the Audio Only option is set to Off. See "Playing TV audio only" on page 26. • Make sure that the antenna or cable TV is connected correctly and securely. See "Connecting a cable or satellite box" on page 9 or "Connecting an antenna or cable TV (no box)" on page 12. • Adjust the brightness. See "Adjusting the TV picture" on page 23. • Make sure that the correct picture mode is selected. See "Adjusting the TV picture" on page 23. • If you are using an antenna, the digital channel signal may be low. To check the digital channel signal strength, see "Checking the digital signal strength" on page 29. • If you are using an antenna and the signal strength is low, adjust the antenna or use a highly directional outdoor antenna or set-top antenna with a built-in amplifier. • Make sure that the video cables are connected securely to your TV/DVD combo. • The video cable(s) you are using may be bad. Try a new set. • Try another channel. The station may be experiencing problems.
No color, dark picture, or color is not correct.	• Try another channel. The station may be experiencing problems. • Adjust the color settings. See "Adjusting the TV picture" on page 23. • Make sure that the video cables are connected correctly and securely to your TV/DVD combo. • Make sure that the antenna or cable TV/DVD combo is connected correctly and securely. See "Connecting a cable or satellite box" on page 9 or "Connecting an antenna or cable TV (no box)" on page 12. • If you are using an antenna, the digital channel signal may be low. To check the digital channel signal strength, see "Checking the digital signal strength" on page 29. • If you are using an antenna and the signal strength is low, adjust the antenna or use a highly directional outdoor antenna or set-top antenna with a built-in amplifier.
Only snow (noise) appears on the screen.	• Try another channel. The station may be experiencing problems. • Make sure that the antenna or cable TV/DVD combo is connected correctly and securely. See "Connecting a cable or satellite box" on page 9 or "Connecting an antenna or cable TV (no box)" on page 12. • If you are using an antenna, the digital channel signal may be low. To check the digital channel signal strength, see "Checking the digital signal strength" on page 29. • If you are using an antenna and the signal strength is low, adjust the antenna or use a highly directional outdoor antenna or set-top antenna with a built-in amplifier.
Picture quality is good on some channels and poor on others. Sound is good.	• The problem may be caused by a poor or weak signal from the broadcaster or cable TV provider. • If you connect to cable or satellite TV without a set-top box and experience poor picture quality, you may need to install a set-top box to improve signal reception and picture quality. Contact your cable or satellite TV provider about upgrading to a set-top box.
Dotted lines or stripes appear on the screen.	• Make sure that the antenna or cable TV is connected correctly and securely. See "Connecting a cable or satellite box" on page 9 or "Connecting an antenna or cable TV (no box)" on page 12. • If you are using an antenna, the digital channel signal may be low. To check the digital channel signal strength, see "Checking the digital signal strength" on page 29. • If you are using an antenna and the signal strength is low, adjust the antenna or use a highly directional outdoor antenna or set-top antenna with a built-in amplifier. • Make sure that the video cables are connected securely to your TV/DVD combo. • The video cable(s) you are using may be bad. Try a new set. • Other devices (for example, a surround sound receiver, external speakers, fans, or hair dryers) may be interfering with your TV/DVD combo. Try turning off one device at a time to determine which device is causing interference. After you have determined which device is causing interference, move it further from the TV/DVD combo to eliminate the interference.
Double images.	• Use a highly directional outdoor antenna, cable TV, or satellite TV.
The picture has a few bright or dark spots.	• A few bright or dark spots on an LCD screen is normal. It does not affect the operation of your TV/DVD combo.
Good picture, but no sound.	• Increase the volume. • Make sure that the sound is not muted. • Make sure you do not have headphones connected. When headphones are connected, no sound comes from the TV/DVD combo speakers. • Make sure that the correct audio mode is selected. • Make sure that the audio cables are connected correctly and securely to your TV/DVD combo. • Make sure that the antenna or cable TV is connected correctly and securely. See "Connecting a cable or satellite box" on page 9 or "Connecting an antenna or cable TV (no box)" on page 12. • If you are using an antenna, the digital channel signal may be low. To check the digital channel signal strength, see "Checking the digital signal strength" on page 29. • The audio cable(s) you are using may be bad. Try a new set.
Poor picture.	• Make sure that the room is not too bright. Light reflecting off the screen can make the picture difficult to see. • If an S-VHS camera or a camcorder is connected while another connected device is turned on, the picture may be poor. Turn off one or more devices.
Good sound but poor color.	• Adjust the contrast, color, and brightness settings. See "Adjusting the TV picture" on page 23.
Audio noise.	• Other devices (for example, a surround sound receiver, external speakers, fans, or hair dryers) may be interfering with your TV/DVD combo. Try turning off one device at a time to determine which device is causing interference. After you have determined which device is causing interference, move it further from the TV/DVD combo to eliminate the interference.

Problem	Solution
No output from one of the speakers.	• Adjust the audio balance. See "Adjusting sound settings" on page 25. • Make sure that the audio cables are connected correctly and securely to your TV/DVD combo.
After images appear.	• Do not display a still image, such as a logo, game, or computer image, for an extended period of time. This can cause a permanent after-image to be burned into the screen. This type of damage is not covered by your warranty.

Remote control

Problem	Solution
Remote control does not work.	• Make sure that the power cord is correctly connected to your TV/DVD combo and a power outlet. • Make sure that there are no obstructions between the remote control and the remote control sensor on the front of the TV/DVD combo. • Point the remote control directly at the remote control sensor on your TV/DVD combo. For the location of the remote control sensor, see "Aiming the remote control" on page 18. • The supplied batteries are wrapped tightly in clear plastic. Make sure that you have removed this plastic from the batteries. • Make sure that the batteries are installed correctly. See "Installing remote control batteries" on page 18. • Replace dead batteries with new batteries. See "Installing remote control batteries" on page 18.
Trouble programming your existing universal remote control.	• See instructions and a table of common codes in "Programming a different universal remote control" on page 47. • Codes are subject to change. For up-to-date codes, go to www.insigniaproducts.com/remotecodes • Replace dead batteries with new batteries. See "Installing remote control batteries" on page 18. • Refer to the User Guide that accompanied your universal remote control and contact the manufacturer if problems persist.

General

Problem	Solution
No power.	• Make sure that the power cord is correctly connected to your TV/DVD combo and a power outlet. • Unplug the power cord, wait 60 seconds, then plug the cord back in and turn on your TV/DVD combo. • Other devices (for example, a surround sound receiver, external speakers, fans, or hair dryers) may be interfering with your TV/DVD combo. Try turning off one device at a time to determine which device is causing interference. After you have determined which device is causing interference, move it further from the TV/DVD combo to eliminate the interference.

Problem	Solution
"No signal" error message is displayed.	• Press **INPUT** and make sure that you have selected the correct input for the device or service you are trying to use. • If you are using a cable or satellite box, use the remote that came with that box to change channels. • Make sure that you have the correct input selected to view channels from the cable or satellite box.
After Auto Channel Search, there are no channels.	• Reception can vary by channel depending on the broadcast power level of a given station. Contact your cable or satellite TV provider. • Make sure the antenna or cable/satellite TV is connected securely to your TV/DVD combo. • Try replacing the cable between the antenna/cable or cable/satellite box and your TV/DVD combo.
One or more channels do not display.	• Make sure that the channels are not blocked. See "Setting parental control levels" on page 31. • Make sure that the channels are not hidden. The channel may have been deleted from the channel list. You can tune to the channel by pressing the number buttons or you can add the channel back to the channel list. See "Hiding channels" on page 28. • If you are using a cable or satellite box, use the remote that came with that box to change channels. • Make sure that you have the correct input selected to view channels from the cable or satellite box. • If you are using an antenna, the digital channel signal may be low. To check the digital channel signal strength, see "Checking the digital signal strength" on page 29.
Password is lost.	• Enter **9999** to access parental controls, then set a new password. See "Setting or changing the password" on page 29.
Some settings cannot be accessed.	• If a setting is grayed, the setting is not available in the current video input mode.
TV/DVD combo cabinet creaks.	• When the TV/DVD combo is in use, the temperature rises naturally and may cause the cabinet to expand or contract which can cause a creaking noise. This is not a malfunction.
Control buttons do not work.	• Make sure that the **Button Lock** option is set to **Off**. See "Locking control buttons" on page 30. • Unplug the power cord, wait a few seconds, then plug the cord back in and turn on your TV/DVD combo.
TV keeps turning off.	• Make sure that the sleep timer is not turned on. See "Setting the sleep timer" on page 36.

Disc playback

Problem	Solution
Playback does not start	• Make sure that a disc is inserted in the disc slot. • The disc may be dirty. Clean the disc. See "Cleaning discs" on page 42. • The disc format may not be supported. For more information, see "DVD player" on page 46.
No picture	• Press **INPUT** and make sure that **DVD** is selected. For more information, see "Selecting the video input source" on page 21.
No sound	• Make sure that headphones are not connected to your TV/DVD combo. When headphones are connected the internal speakers are muted. • If your TV is connected to a sound system, make sure that the volume on the sound system is turned up.
Picture is distorted during fast forwarding or reversing	• This is not a malfunction. When you resume normal playback the distortion should disappear.
Some playback features do not work	• Depending on the disc, some playback features such as stopping, skipping, or repeat playback may not work.
The audio language or subtitle language cannot be changed	• Not all discs have multiple languages. Check the disc menu or disc packaging.
No subtitles	• Press **SUBTITLE** and make sure that subtitles are set to on.

USB photo display

Problem	Solution
Photos are not displayed	• Make sure that your USB flash drive is connected securely to the USB jack on the back of your TV. See "Connecting a USB flash drive" on page 16. • Press **INPUT** and make sure that **USB (Photos)** is selected. See "Selecting the video input source" on page 21. • Make sure that the photos on the USB flash drive are JPEG image files with ".jpg" as the file extension.
Slideshow does not start	• Make sure that you select slideshow when you are in thumbnail mode. See "Viewing photos in a slideshow" on page 39.

Note

If the problem is not solved by using these troubleshooting instructions, turn off your TV/DVD combo, then turn it on again.

Specifications

Specifications are subject to change without notice.

Dimensions and weight

Without stand	18.5 × 12.74 × 2.8 in. (47 × 32.4 × 7.2 cm) 8.8 lbs. (4.0 kg)
With stand	18.5 × 14.4 × 7.2 in. (47 × 36.6 × 18.3 cm) 9.5 lbs. (4.3 kg)

Screen

Screen size measured diagonally	18.5 in.
Display type	LCD
Panel 60 Hz vs.120 Hz	60Hz
Display resolution	720p
Panel resolution	1366 (H) × 768 (V)
Aspect ratio	16:9
Contrast ratio (typical)–panel	1000:1
Dynamic contrast ratio– list value	2000:1
Brightness (center typical) cd/m2	250 nits
Comb filter	3d y/c digital
Response time	5 ms
Horizontal viewing angle	150
Vertical viewing angle	140

Display resolutions

HDMI 1.3	1080p, 1080i, 720p, 480p, 480i
Component video	1080p, 1080i, 720p, 480p, 480i

Tuner

Analog	NTSC
Digital	ATSC, 8-VSB, Clear-QAM

Inputs

HDMI/DVI	1 (side) E-EDID compliant HDCP compliant
Component video	1 (back)
Composite video	1 (side)
Shared audio (component and composite)	Yes
S-Video	No
PC/VGA	1 (side)
3.5mm PC audio input	1 (side)
USB	1 (back) Supports JPEG and firmware upgrade

Outputs

Video	No
Analog audio	No
Digital audio	1 coaxial (back)
WiFi	No
Ethernet	No
Headphone	1 (side)

Audio

Speakers	Number: 2 Watts per channel: 2.7W

Power

Power consumption	On: 53W Standby: <1W
Power input	120V/60Hz

Miscellaneous

OSD languages	English, French, Spanish (all models)
INlink	No
Game Mode	No
ENERGY STAR qualified	No
Internet connectable	No
TV base screws	M4 type (18 mm length) (2 pcs)
V-Chip (version 2.0)	Yes
Sleep timer	Yes
Channel labeling	No
VESA mount (mm) (horizontal × vertical)	100 × 100

Note

The length of the wall-mount screws vary depending on the wall-mount bracket you purchased. See the instructions that came with the wall-mount bracket for screw lengths.

DVD player

Tray vs. slot load	Slot load
Disc capacity	1
Progressive scan	No
Skip protection	No audio skipping during CD playback under typical usage conditions
Optical disc support	**Supports:** CD Digital Audio 12 cm, CD-R, CD-RW, DVD-Video 12 cm, DVD-R, DVD-RW, DVD+R, DVD+RW, DVD-R DL Dual Layer, DVD+R Dual Layer **Does not support:** CD Digital Audio 8 cm, DVD-Video 8 cm, DVD-RW Dual Layer, DVD+RW Dual Layer
Audio decoder	**Supports:** CD Digital Audio, Dolby Digital **Does not support:** Simulated Surround (e.g. SRS), MP3, WMA, WMA Lossless
Digital audio output formats supported via HDMI output	No
Digital audio output formats supported via coaxial output	**Supports:** Linear PCM 2 channel, Dolby Digital **Does not support:** DTS, DTS HD Master Audio
Digital audio decode capability (HDMI Output)	No
Digital audio decode capability (digital coaxial output)	**Supports:** Dolby Digital to 2-channel downmix PCM **Does not support:** DTS to 2-channel downmix PCM
Video decoder	**Supports:** DVD Video **Does not support:** JPEG, WMV (Window Media Video) 9.1, VCD 1.1, VCD 2.0, SVCD, DivX, or XviD

Programming universal remote controls

Programming a different universal remote control

You can operate your Insignia TV/DVD combo with a new or existing universal remote control.

To program a different universal remote control:

1. See the table below for common codes. If you have problems programming your remote or need a different remote control code, visit www.insigniaproducts.com/remotecodes for the latest remote control code information.
2. Follow your universal remote control's instructions to enter the TV code you found in Step 1.

Tips

- If your universal remote control has a code search feature, run a code search to identify a code that matches your TV/DVD combo. See your universal remote control's instructions for details.
- If your universal remote control has a "Learn" feature, you can manually program it using the Insignia TV remote to "teach" the commands one at a time. See your universal remote control's instructions for details.

For additional help and information:

- Visit: http://www.insigniaproducts.com/remotecodes
- Call technical support for the universal remote control or cable/satellite company of the remote/set-top box you are trying to program.
- Call the Insignia Customer Care Center 1-877-467-4289.

Common universal remote control codes

The following is a list of the most common remote control codes. Codes for other remote controls are available online at: http://www.insigniaproducts.com/remotecodes or check with your cable or satellite TV provider for the remote control code.

Insignia TV codes for universal remote controls (for all Insignia TVs manufactured after Jan. 1, 2007)

Universal remote control makes and models	
One for All	0054
Phillips	0198, 0490
RCA	135
Sony	068, 069, 078, 096, 100, 164, 168, 229, 026

Set-top box makes and models	
Cablevision	068, 069, 078, 096, 100, 164, 168, 229, 026
Charter	2002, 1204, 1423, 1517, 0171, 1963, 0463, 1463, 0842, 1326, 167, 415, 424, 450, 456, 461, 507, 523, 567, 577, 586
Comcast	10171, 11204, 11326, 11463, 11517, 11641, 11780, 11785, 11892, 11963, 12002
Cox	1326, 1463
DirectTV	10171, 11204, 11326, 11517, 11564, 11641, 11963, 12002
Dish Network	720
Time Warner	400, 450, 461, 456, 10463, 1463, 0463
TiVo	0091
Verizon	0198, 0490

Tips

- The brand name is often visible on the front of the universal remote control, and the model number is often visible on the back.
- If your universal remote control isn't listed on the chart, refer to your universal remote control's instructions and try codes for the brands Orion, Emerson, Memorex, Sansui, Sylvania, or Zenith. You may need to try several codes before finding a match.

Legal notices

FCC Part 15

This device complies with Part 15 of the FCC Rules. Operation of this product is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply within the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC warning

Changes or modifications not expressly approved by the party responsible for compliance with the FCC Rules could void the user’s authority to operate this equipment.

Cables

Connections to this device must be made with shielded cables with metallic RF/EMI connector hoods to maintain compliance with FCC Rules and Regulations.

Canada ICES-003 statement

This Class B digital apparatus complies with Canadian ICES-003.

Standard Television Receiving Apparatus — Appareil de réception télévision ordinaire, Canada BETS-7 / NTMR-7

HDMI

HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

One-year limited warranty - Insignia Televisions

Definitions:

Insignia Products ("Insignia") warrants to you, the original purchaser of this new Insignia-branded television ("Product"), that the Product shall be free of defects in the original manufacturer of the material or workmanship for a period of one (1) year from the date of your purchase of the Product ("Warranty Period"). For this warranty to apply, your Product must be purchased in the United States or Canada from a Best Buy or Future Shop authorized dealer of Insignia brand products only that are packaged with this warranty statement.

How long does the coverage last?

The Warranty Period lasts for 1 year (365 days) from the date you purchased the Product. Your purchase date is printed on the receipt you received with the Product.

What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Insignia repair center or store personnel, Insignia will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Insignia and are not returned to you. If service of Products or parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Insignia Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

How to obtain warranty service?

If you purchased the Product at a Best Buy or Future Shop retail store location and your television Product has a screen size of less than 42 inches, please take your original receipt and the Product to any Best Buy or Future Shop store. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. If you purchased the Product from a Best Buy or Future Shop online web site, mail your original receipt and the Product to the address listed on the web site. Make sure that you put the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

To obtain in-home warranty service for a television with a screen 42 inches or larger, in the United States call 1-888-BESTBUY, Canada call 1-866-BESTBUY for Future Shop call 1-800-663-2275. Call agents will diagnose and correct the issue over the phone or will have a Insignia-approved repair technician dispatched to your home.

Where is the warranty valid?

This warranty is valid only in the United States and Canada at Best Buy or Future Shop branded retail stores or websites to the original purchaser of the product in the county where the original purchase was made.

What does the warranty not cover?

This warranty does not cover:

- Customer instruction/education
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to acts of God, such as power surges
- Accident(s)
- Misuse
- Abuse
- Negligence
- Commercial purposes/use, including but not limited to use in a place of business or in communal areas of a multiple dwelling condominium or apartment complex, or otherwise used in a place of other than a private home.
- Modification of any part of the Product, including the antenna
- Plasma display panel damaged by static (non-moving) images applied for lengthy periods (burn-in).
- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage or power supply
- Attempted repair by any person not authorized by Insignia to service the Product
- Products sold "as is" or "with all faults"
- Consumables, including but not limited to batteries (i.e. AA, AAA, C etc.)
- Products where the factory applied serial number has been altered or removed
- Loss or Theft of this product or any part of the product
- Up to three (3) pixel failures (dots that are dark or incorrectly illuminated) grouped in an area smaller than one tenth (1/10) of the display size or up to five (5) pixel failures throughout the display. (Pixel based displays may contain a limited number of pixels that may not function normally.)
- Failures or Damage caused by any contact including but not limited to liquids, gels or pastes.

REPAIR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY FOR BREACH OF WARRANTY. INSIGNIA SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO, LOST DATA, LOSS OF USE OF YOUR PRODUCT, LOST BUSINESS OR LOST PROFITS. INSIGNIA PRODUCTS MAKES NO OTHER EXPRESS WARRANTIES WITH RESPECT TO THE PRODUCT, ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE WARRANTY PERIOD. SOME STATES, PROVINCES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.

Contact Insignia:

For customer service please call 1-877-467-4289

www.insigniaproducts.com

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